



Solve each problem.

- 1) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^2 = 14$   
B.  $x^3 = 14$   
C.  $x^3 = 49$   
D.  $x^2 = 49$
- 2) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^3 = 343$   
B.  $x^3 = 21$   
C.  $x^2 = 343$   
D.  $x^2 = 21$
- 3) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 16$   
C.  $x^3 = 64$   
D.  $x^2 = 16$
- 4) Which equation has only 5 as a possible value of  $x$ .  
A.  $x^3 = 125$   
B.  $x^3 = 15$   
C.  $x^2 = 25$   
D.  $x^2 = 125$
- 5) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^2 = 512$   
B.  $x^2 = 64$   
C.  $x^2 = 24$   
D.  $x^3 = 512$
- 6) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 18$   
B.  $x^2 = 216$   
C.  $x^3 = 216$   
D.  $x^2 = 18$
- 7) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 20$   
B.  $x^3 = 1000$   
C.  $x^2 = 100$   
D.  $x^2 = 20$
- 8) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^3 = 10$   
B.  $x^3 = 125$   
C.  $x^2 = 25$   
D.  $x^2 = 125$
- 9) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^3 = 729$   
B.  $x^2 = 81$   
C.  $x^3 = 81$   
D.  $x^3 = 27$
- 10) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^3 = 1000$   
B.  $x^3 = 100$   
C.  $x^3 = 30$   
D.  $x^2 = 30$

Answers

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_



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B.  $x^3 = 21$   
C.  $x^2 = 343$   
D.  $x^2 = 21$
- 3) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 16$   
C.  $x^3 = 64$   
D.  $x^2 = 16$
- 4) Which equation has only 5 as a possible value of  $x$ .  
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A.  $x^3 = 1000$   
B.  $x^3 = 100$   
C.  $x^3 = 30$   
D.  $x^2 = 30$

**Answers**

1. **D**
2. **A**
3. **D**
4. **A**
5. **D**
6. **C**
7. **C**
8. **C**
9. **A**
10. **A**



Solve each problem.

- 1) Which equation has both 4 and -4 as a possible value of  $x$ ?
- A.  $x^2 = 16$   
B.  $x^3 = 64$   
C.  $x^2 = 8$   
D.  $x^3 = 16$
- 2) Which equation has only 10 as a possible value of  $x$ ?
- A.  $x^3 = 100$   
B.  $x^2 = 100$   
C.  $x^2 = 30$   
D.  $x^3 = 1000$
- 3) Which equation has only 4 as a possible value of  $x$ ?
- A.  $x^2 = 16$   
B.  $x^3 = 12$   
C.  $x^2 = 12$   
D.  $x^3 = 64$
- 4) Which equation has both 5 and -5 as a possible value of  $x$ ?
- A.  $x^2 = 25$   
B.  $x^2 = 10$   
C.  $x^2 = 125$   
D.  $x^3 = 25$
- 5) Which equation has both 10 and -10 as a possible value of  $x$ ?
- A.  $x^3 = 100$   
B.  $x^3 = 1000$   
C.  $x^2 = 20$   
D.  $x^2 = 100$
- 6) Which equation has only 7 as a possible value of  $x$ ?
- A.  $x^3 = 49$   
B.  $x^2 = 21$   
C.  $x^3 = 343$   
D.  $x^3 = 21$
- 7) Which equation has only 8 as a possible value of  $x$ ?
- A.  $x^3 = 512$   
B.  $x^2 = 512$   
C.  $x^3 = 64$   
D.  $x^2 = 24$
- 8) Which equation has both 8 and -8 as a possible value of  $x$ ?
- A.  $x^2 = 64$   
B.  $x^3 = 16$   
C.  $x^3 = 512$   
D.  $x^3 = 64$
- 9) Which equation has both 9 and -9 as a possible value of  $x$ ?
- A.  $x^3 = 729$   
B.  $x^2 = 729$   
C.  $x^2 = 81$   
D.  $x^3 = 81$
- 10) Which equation has only 6 as a possible value of  $x$ ?
- A.  $x^3 = 36$   
B.  $x^2 = 216$   
C.  $x^3 = 18$   
D.  $x^3 = 216$

Answers

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_



Solve each problem.

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A.  $x^2 = 16$   
B.  $x^3 = 64$   
C.  $x^2 = 8$   
D.  $x^3 = 16$
- 2) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^3 = 100$   
B.  $x^2 = 100$   
C.  $x^2 = 30$   
D.  $x^3 = 1000$
- 3) Which equation has only 4 as a possible value of  $x$ .  
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B.  $x^3 = 12$   
C.  $x^2 = 12$   
D.  $x^3 = 64$
- 4) Which equation has both 5 and -5 as a possible value of  $x$ ?  
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B.  $x^2 = 10$   
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B.  $x^3 = 1000$   
C.  $x^2 = 20$   
D.  $x^2 = 100$
- 6) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^3 = 49$   
B.  $x^2 = 21$   
C.  $x^3 = 343$   
D.  $x^3 = 21$
- 7) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 512$   
B.  $x^2 = 512$   
C.  $x^3 = 64$   
D.  $x^2 = 24$
- 8) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 16$   
C.  $x^3 = 512$   
D.  $x^3 = 64$
- 9) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^3 = 729$   
B.  $x^2 = 729$   
C.  $x^2 = 81$   
D.  $x^3 = 81$
- 10) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 36$   
B.  $x^2 = 216$   
C.  $x^3 = 18$   
D.  $x^3 = 216$

Answers

1.     **A**
2.     **D**
3.     **D**
4.     **A**
5.     **D**
6.     **C**
7.     **A**
8.     **A**
9.     **C**
10.     **D**



Solve each problem.

- 1) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^3 = 36$   
B.  $x^3 = 216$   
C.  $x^2 = 12$   
D.  $x^2 = 36$
- 2) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^3 = 49$   
B.  $x^3 = 21$   
C.  $x^2 = 343$   
D.  $x^3 = 343$
- 3) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 512$   
B.  $x^3 = 512$   
C.  $x^2 = 16$   
D.  $x^2 = 64$
- 4) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^3 = 64$   
B.  $x^2 = 8$   
C.  $x^2 = 16$   
D.  $x^2 = 64$
- 5) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^3 = 1000$   
B.  $x^2 = 30$   
C.  $x^3 = 100$   
D.  $x^2 = 100$
- 6) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 81$   
D.  $x^2 = 729$
- 7) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^2 = 64$   
B.  $x^3 = 512$   
C.  $x^2 = 24$   
D.  $x^2 = 512$
- 8) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^2 = 64$   
B.  $x^3 = 64$   
C.  $x^3 = 16$   
D.  $x^3 = 12$
- 9) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^3 = 125$   
B.  $x^2 = 25$   
C.  $x^3 = 25$   
D.  $x^3 = 10$
- 10) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 216$   
B.  $x^2 = 216$   
C.  $x^2 = 18$   
D.  $x^3 = 18$

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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A.  $x^3 = 36$   
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C.  $x^2 = 12$   
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- 2) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^3 = 49$   
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- 3) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 512$   
B.  $x^3 = 512$   
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- 4) Which equation has both 4 and -4 as a possible value of  $x$ ?  
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C.  $x^2 = 16$   
D.  $x^2 = 64$
- 5) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^3 = 1000$   
B.  $x^2 = 30$   
C.  $x^3 = 100$   
D.  $x^2 = 100$
- 6) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 81$   
D.  $x^2 = 729$
- 7) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^2 = 64$   
B.  $x^3 = 512$   
C.  $x^2 = 24$   
D.  $x^2 = 512$
- 8) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^2 = 64$   
B.  $x^3 = 64$   
C.  $x^3 = 16$   
D.  $x^3 = 12$
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B.  $x^2 = 25$   
C.  $x^3 = 25$   
D.  $x^3 = 10$
- 10) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 216$   
B.  $x^2 = 216$   
C.  $x^2 = 18$   
D.  $x^3 = 18$

Answers

1.     **D**
2.     **D**
3.     **D**
4.     **C**
5.     **A**
6.     **A**
7.     **B**
8.     **B**
9.     **B**
10.     **A**



Solve each problem.

- 1) Which equation has both 7 and -7 as a possible value of  $x$ ?
- A.  $x^2 = 343$   
B.  $x^3 = 343$   
C.  $x^2 = 49$   
D.  $x^2 = 14$
- 2) Which equation has only 9 as a possible value of  $x$ ?
- A.  $x^3 = 27$   
B.  $x^2 = 729$   
C.  $x^3 = 729$   
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C.  $x^2 = 216$   
D.  $x^3 = 18$
- 4) Which equation has only 4 as a possible value of  $x$ ?
- A.  $x^2 = 12$   
B.  $x^3 = 12$   
C.  $x^2 = 64$   
D.  $x^3 = 64$
- 5) Which equation has only 10 as a possible value of  $x$ ?
- A.  $x^2 = 1000$   
B.  $x^3 = 1000$   
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B.  $x^2 = 25$   
C.  $x^3 = 25$   
D.  $x^3 = 10$
- 10) Which equation has only 8 as a possible value of  $x$ ?
- A.  $x^3 = 512$   
B.  $x^2 = 24$   
C.  $x^2 = 512$   
D.  $x^2 = 64$

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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B.  $x^2 = 343$   
C.  $x^2 = 49$   
D.  $x^2 = 21$
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A.  $x^3 = 125$   
B.  $x^2 = 25$   
C.  $x^3 = 25$   
D.  $x^3 = 10$
- 10) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 512$   
B.  $x^2 = 24$   
C.  $x^2 = 512$   
D.  $x^2 = 64$

**Answers**

1.     **C**
2.     **C**
3.     **A**
4.     **D**
5.     **B**
6.     **C**
7.     **C**
8.     **A**
9.     **B**
10.     **A**





Solve each problem.

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B.  $x^3 = 49$   
C.  $x^2 = 49$   
D.  $x^2 = 343$
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A.  $x^2 = 18$   
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C.  $x^3 = 81$   
D.  $x^2 = 81$
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C.  $x^3 = 729$   
D.  $x^3 = 27$
- 4) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^3 = 36$   
B.  $x^2 = 12$   
C.  $x^2 = 36$   
D.  $x^3 = 216$
- 5) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 512$   
B.  $x^2 = 64$   
C.  $x^3 = 512$   
D.  $x^2 = 16$
- 6) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^2 = 16$   
C.  $x^3 = 8$   
D.  $x^3 = 64$
- 7) Which equation has only 6 as a possible value of  $x$ .  
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B.  $x^2 = 12$   
C.  $x^2 = 64$   
D.  $x^3 = 12$
- 10) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^3 = 125$   
B.  $x^3 = 10$   
C.  $x^2 = 10$   
D.  $x^2 = 25$

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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- 1) Which equation has only 7 as a possible value of  $x$ .  
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C.  $x^2 = 49$   
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D.  $x^2 = 81$
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C.  $x^3 = 512$   
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C.  $x^3 = 8$   
D.  $x^3 = 64$
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B.  $x^2 = 216$   
C.  $x^2 = 36$   
D.  $x^3 = 216$
- 8) Which equation has only 5 as a possible value of  $x$ .  
A.  $x^3 = 125$   
B.  $x^2 = 25$   
C.  $x^3 = 25$   
D.  $x^2 = 125$
- 9) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^2 = 12$   
C.  $x^2 = 64$   
D.  $x^3 = 12$
- 10) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^3 = 125$   
B.  $x^3 = 10$   
C.  $x^2 = 10$   
D.  $x^2 = 25$

Answers

1.     **A**
2.     **D**
3.     **C**
4.     **C**
5.     **B**
6.     **B**
7.     **D**
8.     **A**
9.     **A**
10.     **D**



Solve each problem.

- 1) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^3 = 729$   
B.  $x^2 = 27$   
C.  $x^3 = 81$   
D.  $x^2 = 81$
- 2) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^2 = 343$   
B.  $x^3 = 14$   
C.  $x^2 = 49$   
D.  $x^3 = 343$
- 3) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^2 = 12$   
B.  $x^2 = 36$   
C.  $x^3 = 216$   
D.  $x^3 = 36$
- 4) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^2 = 12$   
B.  $x^3 = 64$   
C.  $x^3 = 12$   
D.  $x^2 = 64$
- 5) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 81$   
D.  $x^2 = 729$
- 6) Which equation has only 5 as a possible value of  $x$ .  
A.  $x^2 = 125$   
B.  $x^3 = 15$   
C.  $x^2 = 25$   
D.  $x^3 = 125$
- 7) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 512$   
B.  $x^2 = 512$   
C.  $x^3 = 24$   
D.  $x^2 = 64$
- 8) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^3 = 100$   
B.  $x^3 = 1000$   
C.  $x^2 = 100$   
D.  $x^3 = 30$
- 9) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 100$   
B.  $x^2 = 100$   
C.  $x^2 = 1000$   
D.  $x^3 = 1000$
- 10) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 16$   
B.  $x^3 = 512$   
C.  $x^2 = 512$   
D.  $x^2 = 64$

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Solve each problem.

- 1) Which equation has only 9 as a possible value of  $x$ .  
 A.  $x^3 = 729$   
 B.  $x^2 = 27$   
 C.  $x^3 = 81$   
 D.  $x^2 = 81$
- 2) Which equation has both 7 and -7 as a possible value of  $x$ ?  
 A.  $x^2 = 343$   
 B.  $x^3 = 14$   
 C.  $x^2 = 49$   
 D.  $x^3 = 343$
- 3) Which equation has both 6 and -6 as a possible value of  $x$ ?  
 A.  $x^2 = 12$   
 B.  $x^2 = 36$   
 C.  $x^3 = 216$   
 D.  $x^3 = 36$
- 4) Which equation has only 4 as a possible value of  $x$ .  
 A.  $x^2 = 12$   
 B.  $x^3 = 64$   
 C.  $x^3 = 12$   
 D.  $x^2 = 64$
- 5) Which equation has both 9 and -9 as a possible value of  $x$ ?  
 A.  $x^2 = 81$   
 B.  $x^3 = 729$   
 C.  $x^3 = 81$   
 D.  $x^2 = 729$
- 6) Which equation has only 5 as a possible value of  $x$ .  
 A.  $x^2 = 125$   
 B.  $x^3 = 15$   
 C.  $x^2 = 25$   
 D.  $x^3 = 125$
- 7) Which equation has only 8 as a possible value of  $x$ .  
 A.  $x^3 = 512$   
 B.  $x^2 = 512$   
 C.  $x^3 = 24$   
 D.  $x^2 = 64$
- 8) Which equation has only 10 as a possible value of  $x$ .  
 A.  $x^3 = 100$   
 B.  $x^3 = 1000$   
 C.  $x^2 = 100$   
 D.  $x^3 = 30$
- 9) Which equation has both 10 and -10 as a possible value of  $x$ ?  
 A.  $x^3 = 100$   
 B.  $x^2 = 100$   
 C.  $x^2 = 1000$   
 D.  $x^3 = 1000$
- 10) Which equation has both 8 and -8 as a possible value of  $x$ ?  
 A.  $x^2 = 16$   
 B.  $x^3 = 512$   
 C.  $x^2 = 512$   
 D.  $x^2 = 64$

Answers

1.     **A**
2.     **C**
3.     **B**
4.     **B**
5.     **A**
6.     **D**
7.     **A**
8.     **B**
9.     **B**
10.     **D**

**Solve each problem.**

- 1) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 64$   
C.  $x^2 = 512$   
D.  $x^3 = 16$
- 2) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 1000$   
B.  $x^2 = 100$   
C.  $x^2 = 20$   
D.  $x^2 = 1000$
- 3) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^2 = 49$   
B.  $x^3 = 21$   
C.  $x^3 = 343$   
D.  $x^3 = 49$
- 4) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 18$   
D.  $x^2 = 729$
- 5) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^3 = 27$   
B.  $x^3 = 729$   
C.  $x^3 = 81$   
D.  $x^2 = 729$
- 6) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^2 = 25$   
B.  $x^2 = 10$   
C.  $x^2 = 125$   
D.  $x^3 = 125$
- 7) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^2 = 1000$   
B.  $x^3 = 1000$   
C.  $x^2 = 30$   
D.  $x^3 = 100$
- 8) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 512$   
B.  $x^3 = 64$   
C.  $x^2 = 24$   
D.  $x^2 = 512$
- 9) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^2 = 49$   
B.  $x^2 = 14$   
C.  $x^3 = 49$   
D.  $x^3 = 343$
- 10) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^3 = 12$   
C.  $x^2 = 64$   
D.  $x^3 = 16$

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Solve each problem.

- 1) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 64$   
C.  $x^2 = 512$   
D.  $x^3 = 16$
- 2) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 1000$   
B.  $x^2 = 100$   
C.  $x^2 = 20$   
D.  $x^2 = 1000$
- 3) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^2 = 49$   
B.  $x^3 = 21$   
C.  $x^3 = 343$   
D.  $x^3 = 49$
- 4) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 18$   
D.  $x^2 = 729$
- 5) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^3 = 27$   
B.  $x^3 = 729$   
C.  $x^3 = 81$   
D.  $x^2 = 729$
- 6) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^2 = 25$   
B.  $x^2 = 10$   
C.  $x^2 = 125$   
D.  $x^3 = 125$
- 7) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^2 = 1000$   
B.  $x^3 = 1000$   
C.  $x^2 = 30$   
D.  $x^3 = 100$
- 8) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 512$   
B.  $x^3 = 64$   
C.  $x^2 = 24$   
D.  $x^2 = 512$
- 9) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^2 = 49$   
B.  $x^2 = 14$   
C.  $x^3 = 49$   
D.  $x^3 = 343$
- 10) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^3 = 12$   
C.  $x^2 = 64$   
D.  $x^3 = 16$

Answers

1.     **A**
2.     **B**
3.     **C**
4.     **A**
5.     **B**
6.     **A**
7.     **B**
8.     **A**
9.     **A**
10.     **A**



Solve each problem.

- 1) Which equation has both 5 and -5 as a possible value of  $x$ ?
- A.  $x^2 = 25$   
B.  $x^3 = 10$   
C.  $x^3 = 25$   
D.  $x^2 = 10$
- 2) Which equation has only 5 as a possible value of  $x$ ?
- A.  $x^2 = 125$   
B.  $x^3 = 25$   
C.  $x^2 = 25$   
D.  $x^3 = 125$
- 3) Which equation has both 4 and -4 as a possible value of  $x$ ?
- A.  $x^2 = 64$   
B.  $x^3 = 8$   
C.  $x^2 = 16$   
D.  $x^3 = 16$
- 4) Which equation has both 7 and -7 as a possible value of  $x$ ?
- A.  $x^3 = 14$   
B.  $x^3 = 343$   
C.  $x^2 = 343$   
D.  $x^2 = 49$
- 5) Which equation has only 9 as a possible value of  $x$ ?
- A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 27$   
D.  $x^2 = 27$
- 6) Which equation has only 7 as a possible value of  $x$ ?
- A.  $x^3 = 343$   
B.  $x^2 = 49$   
C.  $x^3 = 21$   
D.  $x^3 = 49$
- 7) Which equation has only 8 as a possible value of  $x$ ?
- A.  $x^3 = 64$   
B.  $x^2 = 64$   
C.  $x^3 = 512$   
D.  $x^2 = 512$
- 8) Which equation has both 10 and -10 as a possible value of  $x$ ?
- A.  $x^3 = 1000$   
B.  $x^3 = 100$   
C.  $x^2 = 100$   
D.  $x^2 = 20$
- 9) Which equation has only 4 as a possible value of  $x$ ?
- A.  $x^3 = 12$   
B.  $x^3 = 64$   
C.  $x^2 = 12$   
D.  $x^2 = 64$
- 10) Which equation has both 6 and -6 as a possible value of  $x$ ?
- A.  $x^2 = 12$   
B.  $x^3 = 36$   
C.  $x^2 = 36$   
D.  $x^3 = 216$

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Solve each problem.

- 1) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^2 = 25$   
B.  $x^3 = 10$   
C.  $x^3 = 25$   
D.  $x^2 = 10$
- 2) Which equation has only 5 as a possible value of  $x$ .  
A.  $x^2 = 125$   
B.  $x^3 = 25$   
C.  $x^2 = 25$   
D.  $x^3 = 125$
- 3) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^3 = 8$   
C.  $x^2 = 16$   
D.  $x^3 = 16$
- 4) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^3 = 14$   
B.  $x^3 = 343$   
C.  $x^2 = 343$   
D.  $x^2 = 49$
- 5) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^2 = 81$   
B.  $x^3 = 729$   
C.  $x^3 = 27$   
D.  $x^2 = 27$
- 6) Which equation has only 7 as a possible value of  $x$ .  
A.  $x^3 = 343$   
B.  $x^2 = 49$   
C.  $x^3 = 21$   
D.  $x^3 = 49$
- 7) Which equation has only 8 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^2 = 64$   
C.  $x^3 = 512$   
D.  $x^2 = 512$
- 8) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 1000$   
B.  $x^3 = 100$   
C.  $x^2 = 100$   
D.  $x^2 = 20$
- 9) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 12$   
B.  $x^3 = 64$   
C.  $x^2 = 12$   
D.  $x^2 = 64$
- 10) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^2 = 12$   
B.  $x^3 = 36$   
C.  $x^2 = 36$   
D.  $x^3 = 216$

Answers

1.     **A**
2.     **D**
3.     **C**
4.     **D**
5.     **B**
6.     **A**
7.     **C**
8.     **C**
9.     **B**
10.     **C**





Solve each problem.

- 1) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 36$   
B.  $x^3 = 18$   
C.  $x^3 = 216$   
D.  $x^2 = 18$
- 2) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^2 = 512$   
C.  $x^3 = 16$   
D.  $x^3 = 512$
- 3) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^3 = 14$   
B.  $x^2 = 14$   
C.  $x^2 = 49$   
D.  $x^3 = 49$
- 4) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 8$   
B.  $x^2 = 16$   
C.  $x^2 = 64$   
D.  $x^3 = 8$
- 5) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^2 = 36$   
B.  $x^2 = 216$   
C.  $x^3 = 12$   
D.  $x^3 = 216$
- 6) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^3 = 81$   
B.  $x^2 = 729$   
C.  $x^2 = 18$   
D.  $x^2 = 81$
- 7) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^2 = 100$   
B.  $x^3 = 20$   
C.  $x^2 = 20$   
D.  $x^3 = 1000$
- 8) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^2 = 27$   
B.  $x^3 = 729$   
C.  $x^2 = 81$   
D.  $x^2 = 729$
- 9) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^2 = 1000$   
B.  $x^2 = 30$   
C.  $x^3 = 100$   
D.  $x^3 = 1000$
- 10) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^2 = 16$   
C.  $x^2 = 12$   
D.  $x^3 = 12$

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Solve each problem.

- 1) Which equation has only 6 as a possible value of  $x$ .  
A.  $x^3 = 36$   
B.  $x^3 = 18$   
C.  $x^3 = 216$   
D.  $x^2 = 18$
- 2) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^2 = 64$   
B.  $x^2 = 512$   
C.  $x^3 = 16$   
D.  $x^3 = 512$
- 3) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^3 = 14$   
B.  $x^2 = 14$   
C.  $x^2 = 49$   
D.  $x^3 = 49$
- 4) Which equation has both 4 and -4 as a possible value of  $x$ ?  
A.  $x^2 = 8$   
B.  $x^2 = 16$   
C.  $x^2 = 64$   
D.  $x^3 = 8$
- 5) Which equation has both 6 and -6 as a possible value of  $x$ ?  
A.  $x^2 = 36$   
B.  $x^2 = 216$   
C.  $x^3 = 12$   
D.  $x^3 = 216$
- 6) Which equation has both 9 and -9 as a possible value of  $x$ ?  
A.  $x^3 = 81$   
B.  $x^2 = 729$   
C.  $x^2 = 18$   
D.  $x^2 = 81$
- 7) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^2 = 100$   
B.  $x^3 = 20$   
C.  $x^2 = 20$   
D.  $x^3 = 1000$
- 8) Which equation has only 9 as a possible value of  $x$ .  
A.  $x^2 = 27$   
B.  $x^3 = 729$   
C.  $x^2 = 81$   
D.  $x^2 = 729$
- 9) Which equation has only 10 as a possible value of  $x$ .  
A.  $x^2 = 1000$   
B.  $x^2 = 30$   
C.  $x^3 = 100$   
D.  $x^3 = 1000$
- 10) Which equation has only 4 as a possible value of  $x$ .  
A.  $x^3 = 64$   
B.  $x^2 = 16$   
C.  $x^2 = 12$   
D.  $x^3 = 12$

Answers

1.     **C**
2.     **A**
3.     **C**
4.     **B**
5.     **A**
6.     **D**
7.     **A**
8.     **B**
9.     **D**
10.     **A**



Solve each problem.

1) Which equation has both 6 and -6 as a possible value of  $x$ ?

- A.  $x^2 = 36$   
 B.  $x^2 = 12$   
 C.  $x^3 = 36$   
 D.  $x^2 = 216$

3) Which equation has both 7 and -7 as a possible value of  $x$ ?

- A.  $x^3 = 343$   
 B.  $x^2 = 49$   
 C.  $x^3 = 49$   
 D.  $x^3 = 14$

5) Which equation has both 4 and -4 as a possible value of  $x$ ?

- A.  $x^2 = 16$   
 B.  $x^2 = 8$   
 C.  $x^3 = 8$   
 D.  $x^2 = 64$

7) Which equation has only 5 as a possible value of  $x$ .

- A.  $x^2 = 15$   
 B.  $x^3 = 125$   
 C.  $x^2 = 125$   
 D.  $x^3 = 25$

9) Which equation has only 4 as a possible value of  $x$ .

- A.  $x^3 = 16$   
 B.  $x^2 = 16$   
 C.  $x^3 = 64$   
 D.  $x^2 = 12$

2) Which equation has only 7 as a possible value of  $x$ .

- A.  $x^3 = 49$   
 B.  $x^3 = 343$   
 C.  $x^2 = 21$   
 D.  $x^2 = 49$

4) Which equation has only 8 as a possible value of  $x$ .

- A.  $x^3 = 512$   
 B.  $x^2 = 24$   
 C.  $x^3 = 24$   
 D.  $x^2 = 64$

6) Which equation has both 5 and -5 as a possible value of  $x$ ?

- A.  $x^3 = 125$   
 B.  $x^3 = 10$   
 C.  $x^2 = 25$   
 D.  $x^3 = 25$

8) Which equation has both 10 and -10 as a possible value of  $x$ ?

- A.  $x^3 = 20$   
 B.  $x^2 = 20$   
 C.  $x^2 = 1000$   
 D.  $x^2 = 100$

10) Which equation has both 9 and -9 as a possible value of  $x$ ?

- A.  $x^2 = 81$   
 B.  $x^2 = 729$   
 C.  $x^3 = 729$   
 D.  $x^2 = 18$

Answers

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
 10. \_\_\_\_\_



Solve each problem.

- 1) Which equation has both 6 and -6 as a possible value of  $x$ ?  
 A.  $x^2 = 36$   
 B.  $x^2 = 12$   
 C.  $x^3 = 36$   
 D.  $x^2 = 216$
- 2) Which equation has only 7 as a possible value of  $x$ .  
 A.  $x^3 = 49$   
 B.  $x^3 = 343$   
 C.  $x^2 = 21$   
 D.  $x^2 = 49$
- 3) Which equation has both 7 and -7 as a possible value of  $x$ ?  
 A.  $x^3 = 343$   
 B.  $x^2 = 49$   
 C.  $x^3 = 49$   
 D.  $x^3 = 14$
- 4) Which equation has only 8 as a possible value of  $x$ .  
 A.  $x^3 = 512$   
 B.  $x^2 = 24$   
 C.  $x^3 = 24$   
 D.  $x^2 = 64$
- 5) Which equation has both 4 and -4 as a possible value of  $x$ ?  
 A.  $x^2 = 16$   
 B.  $x^2 = 8$   
 C.  $x^3 = 8$   
 D.  $x^2 = 64$
- 6) Which equation has both 5 and -5 as a possible value of  $x$ ?  
 A.  $x^3 = 125$   
 B.  $x^3 = 10$   
 C.  $x^2 = 25$   
 D.  $x^3 = 25$
- 7) Which equation has only 5 as a possible value of  $x$ .  
 A.  $x^2 = 15$   
 B.  $x^3 = 125$   
 C.  $x^2 = 125$   
 D.  $x^3 = 25$
- 8) Which equation has both 10 and -10 as a possible value of  $x$ ?  
 A.  $x^3 = 20$   
 B.  $x^2 = 20$   
 C.  $x^2 = 1000$   
 D.  $x^2 = 100$
- 9) Which equation has only 4 as a possible value of  $x$ .  
 A.  $x^3 = 16$   
 B.  $x^2 = 16$   
 C.  $x^3 = 64$   
 D.  $x^2 = 12$
- 10) Which equation has both 9 and -9 as a possible value of  $x$ ?  
 A.  $x^2 = 81$   
 B.  $x^2 = 729$   
 C.  $x^3 = 729$   
 D.  $x^2 = 18$

Answers

1.     **A**
2.     **B**
3.     **B**
4.     **A**
5.     **A**
6.     **C**
7.     **B**
8.     **D**
9.     **C**
10.     **A**