



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 88° , 16° and 65°
- 2) A triangle with the angles: 13° , 18° and 127°
- 3) A triangle with the angles: 83° , 51° and 31°
- 4) A triangle with the angles: 12° , 5° and 145°
- 5) A triangle with the angles: 26° , 125° and 8°
- 6) A triangle with the angles: 79° , 82° and 4°
- 7) A triangle with the angles: 22° , 151° and 7°
- 8) A triangle with the angles: 96° , 34° and 25°
- 9) A triangle with the angles: 25° , 145° and 10°
- 10) A triangle with the angles: 129° , 4° and 41°
- 11) A triangle with the sides: 6mm., 7mm. and 5mm.
- 12) A triangle with the sides: 7in., 7in. and 10in.
- 13) A triangle with the sides: 10cm., 10cm. and 10cm.
- 14) A triangle with the sides: 6cm., 3cm. and 7cm.
- 15) A triangle with the sides: 6ft., 6ft. and 1ft.
- 16) A triangle with the sides: 5cm., 7cm. and 4cm.
- 17) A triangle with the sides: 8cm., 8cm. and 7cm.
- 18) A triangle with the sides: 10in., 10in. and 8in.
- 19) A triangle with the sides: 4in., 6in. and 3in.
- 20) A triangle with the sides: 4mm., 9mm. and 3mm.

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- 9) A triangle with the angles: 25° , 145° and 10°
- 10) A triangle with the angles: 129° , 4° and 41°
- 11) A triangle with the sides: 6mm., 7mm. and 5mm.
- 12) A triangle with the sides: 7in., 7in. and 10in.
- 13) A triangle with the sides: 10cm., 10cm. and 10cm.
- 14) A triangle with the sides: 6cm., 3cm. and 7cm.
- 15) A triangle with the sides: 6ft., 6ft. and 1ft.
- 16) A triangle with the sides: 5cm., 7cm. and 4cm.
- 17) A triangle with the sides: 8cm., 8cm. and 7cm.
- 18) A triangle with the sides: 10in., 10in. and 8in.
- 19) A triangle with the sides: 4in., 6in. and 3in.
- 20) A triangle with the sides: 4mm., 9mm. and 3mm.

Answers

1. **i**
2. **i**
3. **i**
4. **i**
5. **i**
6. **i**
7. **p**
8. **i**
9. **p**
10. **i**
11. **p**
12. **p**
13. **p**
14. **p**
15. **p**
16. **p**
17. **p**
18. **p**
19. **p**
20. **i**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 61° , 14° and 105°
- 2) A triangle with the angles: 18° , 123° and 39°
- 3) A triangle with the angles: 149° , 10° and 1°
- 4) A triangle with the angles: 109° , 53° and 3°
- 5) A triangle with the angles: 90° , 77° and 13°
- 6) A triangle with the angles: 29° , 109° and 42°
- 7) A triangle with the angles: 2° , 171° and 7°
- 8) A triangle with the angles: 22° , 137° and 3°
- 9) A triangle with the angles: 4° , 4° and 156°
- 10) A triangle with the angles: 87° , 16° and 77°
- 11) A triangle with the sides: 2in., 5in. and 1in.
- 12) A triangle with the sides: 8ft., 8ft. and 7ft.
- 13) A triangle with the sides: 7ft., 9ft. and 6ft.
- 14) A triangle with the sides: 5cm., 3cm. and 2cm.
- 15) A triangle with the sides: 7mm., 10mm. and 6mm.
- 16) A triangle with the sides: 6mm., 9mm. and 5mm.
- 17) A triangle with the sides: 9in., 7in. and 10in.
- 18) A triangle with the sides: 7cm., 6cm. and 8cm.
- 19) A triangle with the sides: 8cm., 9cm. and 7cm.
- 20) A triangle with the sides: 10cm., 2cm. and 1cm.

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- 7) A triangle with the angles: 2° , 171° and 7°
- 8) A triangle with the angles: 22° , 137° and 3°
- 9) A triangle with the angles: 4° , 4° and 156°
- 10) A triangle with the angles: 87° , 16° and 77°
- 11) A triangle with the sides: 2in., 5in. and 1in.
- 12) A triangle with the sides: 8ft., 8ft. and 7ft.
- 13) A triangle with the sides: 7ft., 9ft. and 6ft.
- 14) A triangle with the sides: 5cm., 3cm. and 2cm.
- 15) A triangle with the sides: 7mm., 10mm. and 6mm.
- 16) A triangle with the sides: 6mm., 9mm. and 5mm.
- 17) A triangle with the sides: 9in., 7in. and 10in.
- 18) A triangle with the sides: 7cm., 6cm. and 8cm.
- 19) A triangle with the sides: 8cm., 9cm. and 7cm.
- 20) A triangle with the sides: 10cm., 2cm. and 1cm.

Answers

1. **p**
2. **p**
3. **i**
4. **i**
5. **p**
6. **p**
7. **p**
8. **i**
9. **i**
10. **p**
11. **i**
12. **p**
13. **p**
14. **i**
15. **p**
16. **p**
17. **p**
18. **p**
19. **p**
20. **i**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 78° , 56° and 46°
- 2) A triangle with the angles: 26° , 135° and 19°
- 3) A triangle with the angles: 4° , 159° and 17°
- 4) A triangle with the angles: 69° , 47° and 64°
- 5) A triangle with the angles: 178° , 1° and 1°
- 6) A triangle with the angles: 27° , 152° and 1°
- 7) A triangle with the angles: 110° , 30° and 27°
- 8) A triangle with the angles: 106° , 48° and 26°
- 9) A triangle with the angles: 60° , 23° and 97°
- 10) A triangle with the angles: 20° , 73° and 65°
- 11) A triangle with the sides: 3mm., 3mm. and 2mm.
- 12) A triangle with the sides: 5mm., 5mm. and 1mm.
- 13) A triangle with the sides: 9in., 9in. and 9in.
- 14) A triangle with the sides: 2ft., 2ft. and 1ft.
- 15) A triangle with the sides: 10ft., 3ft. and 2ft.
- 16) A triangle with the sides: 2cm., 6cm. and 1cm.
- 17) A triangle with the sides: 2cm., 6cm. and 1cm.
- 18) A triangle with the sides: 9cm., 2cm. and 1cm.
- 19) A triangle with the sides: 2mm., 8mm. and 9mm.
- 20) A triangle with the sides: 9cm., 9cm. and 9cm.

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- 6) A triangle with the angles: 27° , 152° and 1°
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- 10) A triangle with the angles: 20° , 73° and 65°
- 11) A triangle with the sides: 3mm., 3mm. and 2mm.
- 12) A triangle with the sides: 5mm., 5mm. and 1mm.
- 13) A triangle with the sides: 9in., 9in. and 9in.
- 14) A triangle with the sides: 2ft., 2ft. and 1ft.
- 15) A triangle with the sides: 10ft., 3ft. and 2ft.
- 16) A triangle with the sides: 2cm., 6cm. and 1cm.
- 17) A triangle with the sides: 2cm., 6cm. and 1cm.
- 18) A triangle with the sides: 9cm., 2cm. and 1cm.
- 19) A triangle with the sides: 2mm., 8mm. and 9mm.
- 20) A triangle with the sides: 9cm., 9cm. and 9cm.

Answers

1. **p**
2. **p**
3. **p**
4. **p**
5. **p**
6. **p**
7. **i**
8. **p**
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10. **i**
11. **p**
12. **p**
13. **p**
14. **p**
15. **i**
16. **i**
17. **i**
18. **i**
19. **p**
20. **p**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 105° , 2° and 73°
- 2) A triangle with the angles: 15° , 25° and 122°
- 3) A triangle with the angles: 40° , 34° and 79°
- 4) A triangle with the angles: 4° , 52° and 124°
- 5) A triangle with the angles: 12° , 19° and 122°
- 6) A triangle with the angles: 8° , 147° and 25°
- 7) A triangle with the angles: 37° , 11° and 132°
- 8) A triangle with the angles: 2° , 44° and 113°
- 9) A triangle with the angles: 55° , 58° and 57°
- 10) A triangle with the angles: 5° , 174° and 1°
- 11) A triangle with the sides: 10mm., 10mm. and 2mm.
- 12) A triangle with the sides: 2cm., 8cm. and 1cm.
- 13) A triangle with the sides: 3mm., 3mm. and 2mm.
- 14) A triangle with the sides: 8cm., 8cm. and 4cm.
- 15) A triangle with the sides: 5ft., 9ft. and 4ft.
- 16) A triangle with the sides: 5in., 7in. and 4in.
- 17) A triangle with the sides: 2mm., 2mm. and 3mm.
- 18) A triangle with the sides: 8ft., 7ft. and 9ft.
- 19) A triangle with the sides: 9mm., 2mm. and 10mm.
- 20) A triangle with the sides: 7mm., 8mm. and 6mm.

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- 1) A triangle with the angles: 105° , 2° and 73°
- 2) A triangle with the angles: 15° , 25° and 122°
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- 5) A triangle with the angles: 12° , 19° and 122°
- 6) A triangle with the angles: 8° , 147° and 25°
- 7) A triangle with the angles: 37° , 11° and 132°
- 8) A triangle with the angles: 2° , 44° and 113°
- 9) A triangle with the angles: 55° , 58° and 57°
- 10) A triangle with the angles: 5° , 174° and 1°
- 11) A triangle with the sides: 10mm., 10mm. and 2mm.
- 12) A triangle with the sides: 2cm., 8cm. and 1cm.
- 13) A triangle with the sides: 3mm., 3mm. and 2mm.
- 14) A triangle with the sides: 8cm., 8cm. and 4cm.
- 15) A triangle with the sides: 5ft., 9ft. and 4ft.
- 16) A triangle with the sides: 5in., 7in. and 4in.
- 17) A triangle with the sides: 2mm., 2mm. and 3mm.
- 18) A triangle with the sides: 8ft., 7ft. and 9ft.
- 19) A triangle with the sides: 9mm., 2mm. and 10mm.
- 20) A triangle with the sides: 7mm., 8mm. and 6mm.

Answers

1. **p**
2. **i**
3. **i**
4. **p**
5. **i**
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8. **i**
9. **i**
10. **p**
11. **p**
12. **i**
13. **p**
14. **p**
15. **i**
16. **p**
17. **p**
18. **p**
19. **p**
20. **p**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 8° , 152° and 20°
- 2) A triangle with the angles: 21° , 19° and 135°
- 3) A triangle with the angles: 4° , 141° and 7°
- 4) A triangle with the angles: 153° , 10° and 17°
- 5) A triangle with the angles: 23° , 100° and 56°
- 6) A triangle with the angles: 42° , 2° and 124°
- 7) A triangle with the angles: 139° , 14° and 27°
- 8) A triangle with the angles: 15° , 38° and 127°
- 9) A triangle with the angles: 7° , 141° and 25°
- 10) A triangle with the angles: 130° , 37° and 9°
- 11) A triangle with the sides: 4ft., 3ft. and 5ft.
- 12) A triangle with the sides: 10ft., 10ft. and 5ft.
- 13) A triangle with the sides: 7ft., 7ft. and 9ft.
- 14) A triangle with the sides: 7mm., 10mm. and 6mm.
- 15) A triangle with the sides: 3cm., 10cm. and 2cm.
- 16) A triangle with the sides: 4cm., 4cm. and 5cm.
- 17) A triangle with the sides: 9in., 5in. and 10in.
- 18) A triangle with the sides: 7cm., 8cm. and 6cm.
- 19) A triangle with the sides: 9cm., 2cm. and 1cm.
- 20) A triangle with the sides: 6mm., 4mm. and 7mm.

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- 6) A triangle with the angles: 42° , 2° and 124°
- 7) A triangle with the angles: 139° , 14° and 27°
- 8) A triangle with the angles: 15° , 38° and 127°
- 9) A triangle with the angles: 7° , 141° and 25°
- 10) A triangle with the angles: 130° , 37° and 9°
- 11) A triangle with the sides: 4ft., 3ft. and 5ft.
- 12) A triangle with the sides: 10ft., 10ft. and 5ft.
- 13) A triangle with the sides: 7ft., 7ft. and 9ft.
- 14) A triangle with the sides: 7mm., 10mm. and 6mm.
- 15) A triangle with the sides: 3cm., 10cm. and 2cm.
- 16) A triangle with the sides: 4cm., 4cm. and 5cm.
- 17) A triangle with the sides: 9in., 5in. and 10in.
- 18) A triangle with the sides: 7cm., 8cm. and 6cm.
- 19) A triangle with the sides: 9cm., 2cm. and 1cm.
- 20) A triangle with the sides: 6mm., 4mm. and 7mm.

Answers

1. **p**
2. **i**
3. **i**
4. **p**
5. **i**
6. **i**
7. **p**
8. **p**
9. **i**
10. **i**
11. **p**
12. **p**
13. **p**
14. **p**
15. **i**
16. **p**
17. **p**
18. **p**
19. **i**
20. **p**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 41° , 5° and 134°
- 2) A triangle with the angles: 1° , 177° and 2°
- 3) A triangle with the angles: 86° , 68° and 3°
- 4) A triangle with the angles: 12° , 9° and 134°
- 5) A triangle with the angles: 25° , 33° and 122°
- 6) A triangle with the angles: 37° , 33° and 110°
- 7) A triangle with the angles: 96° , 33° and 51°
- 8) A triangle with the angles: 6° , 146° and 9°
- 9) A triangle with the angles: 41° , 65° and 74°
- 10) A triangle with the angles: 4° , 127° and 19°
- 11) A triangle with the sides: 2mm., 2mm. and 2mm.
- 12) A triangle with the sides: 3cm., 4cm. and 5cm.
- 13) A triangle with the sides: 10in., 10in. and 2in.
- 14) A triangle with the sides: 6in., 6in. and 6in.
- 15) A triangle with the sides: 3cm., 10cm. and 2cm.
- 16) A triangle with the sides: 1cm., 1cm. and 7cm.
- 17) A triangle with the sides: 3mm., 3mm. and 3mm.
- 18) A triangle with the sides: 4in., 4in. and 2in.
- 19) A triangle with the sides: 5cm., 5cm. and 4cm.
- 20) A triangle with the sides: 1cm., 1cm. and 7cm.

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- 7) A triangle with the angles: 96° , 33° and 51°
- 8) A triangle with the angles: 6° , 146° and 9°
- 9) A triangle with the angles: 41° , 65° and 74°
- 10) A triangle with the angles: 4° , 127° and 19°
- 11) A triangle with the sides: 2mm., 2mm. and 2mm.
- 12) A triangle with the sides: 3cm., 4cm. and 5cm.
- 13) A triangle with the sides: 10in., 10in. and 2in.
- 14) A triangle with the sides: 6in., 6in. and 6in.
- 15) A triangle with the sides: 3cm., 10cm. and 2cm.
- 16) A triangle with the sides: 1cm., 1cm. and 7cm.
- 17) A triangle with the sides: 3mm., 3mm. and 3mm.
- 18) A triangle with the sides: 4in., 4in. and 2in.
- 19) A triangle with the sides: 5cm., 5cm. and 4cm.
- 20) A triangle with the sides: 1cm., 1cm. and 7cm.

Answers

1. **p**
2. **p**
3. **i**
4. **i**
5. **p**
6. **p**
7. **p**
8. **i**
9. **p**
10. **i**
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12. **p**
13. **p**
14. **p**
15. **i**
16. **i**
17. **p**
18. **p**
19. **p**
20. **i**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 2° , 176° and 2°
- 2) A triangle with the angles: 16° , 119° and 40°
- 3) A triangle with the angles: 13° , 96° and 53°
- 4) A triangle with the angles: 134° , 16° and 1°
- 5) A triangle with the angles: 109° , 57° and 14°
- 6) A triangle with the angles: 123° , 21° and 36°
- 7) A triangle with the angles: 41° , 56° and 79°
- 8) A triangle with the angles: 35° , 64° and 81°
- 9) A triangle with the angles: 28° , 135° and 17°
- 10) A triangle with the angles: 134° , 15° and 31°
- 11) A triangle with the sides: 5in., 9in. and 4in.
- 12) A triangle with the sides: 8mm., 9mm. and 7mm.
- 13) A triangle with the sides: 9cm., 9cm. and 3cm.
- 14) A triangle with the sides: 5in., 10in. and 11in.
- 15) A triangle with the sides: 2mm., 6mm. and 1mm.
- 16) A triangle with the sides: 3mm., 8mm. and 2mm.
- 17) A triangle with the sides: 4cm., 3cm. and 2cm.
- 18) A triangle with the sides: 10in., 4in. and 3in.
- 19) A triangle with the sides: 8in., 8in. and 10in.
- 20) A triangle with the sides: 10mm., 4mm. and 3mm.

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- 2) A triangle with the angles: 16° , 119° and 40°
- 3) A triangle with the angles: 13° , 96° and 53°
- 4) A triangle with the angles: 134° , 16° and 1°
- 5) A triangle with the angles: 109° , 57° and 14°
- 6) A triangle with the angles: 123° , 21° and 36°
- 7) A triangle with the angles: 41° , 56° and 79°
- 8) A triangle with the angles: 35° , 64° and 81°
- 9) A triangle with the angles: 28° , 135° and 17°
- 10) A triangle with the angles: 134° , 15° and 31°
- 11) A triangle with the sides: 5in., 9in. and 4in.
- 12) A triangle with the sides: 8mm., 9mm. and 7mm.
- 13) A triangle with the sides: 9cm., 9cm. and 3cm.
- 14) A triangle with the sides: 5in., 10in. and 11in.
- 15) A triangle with the sides: 2mm., 6mm. and 1mm.
- 16) A triangle with the sides: 3mm., 8mm. and 2mm.
- 17) A triangle with the sides: 4cm., 3cm. and 2cm.
- 18) A triangle with the sides: 10in., 4in. and 3in.
- 19) A triangle with the sides: 8in., 8in. and 10in.
- 20) A triangle with the sides: 10mm., 4mm. and 3mm.

Answers

1. **p**
2. **i**
3. **i**
4. **i**
5. **p**
6. **p**
7. **i**
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9. **p**
10. **p**
11. **i**
12. **p**
13. **p**
14. **p**
15. **i**
16. **i**
17. **p**
18. **i**
19. **p**
20. **i**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 40° , 28° and 94°
- 2) A triangle with the angles: 53° , 98° and 10°
- 3) A triangle with the angles: 14° , 25° and 117°
- 4) A triangle with the angles: 65° , 58° and 27°
- 5) A triangle with the angles: 51° , 79° and 50°
- 6) A triangle with the angles: 37° , 81° and 62°
- 7) A triangle with the angles: 129° , 18° and 33°
- 8) A triangle with the angles: 20° , 3° and 144°
- 9) A triangle with the angles: 22° , 22° and 136°
- 10) A triangle with the angles: 30° , 115° and 28°
- 11) A triangle with the sides: 5in., 10in. and 4in.
- 12) A triangle with the sides: 5in., 3in. and 2in.
- 13) A triangle with the sides: 4cm., 10cm. and 3cm.
- 14) A triangle with the sides: 5ft., 9ft. and 4ft.
- 15) A triangle with the sides: 2ft., 2ft. and 1ft.
- 16) A triangle with the sides: 10ft., 10ft. and 10ft.
- 17) A triangle with the sides: 10in., 7in. and 6in.
- 18) A triangle with the sides: 3cm., 10cm. and 2cm.
- 19) A triangle with the sides: 2ft., 2ft. and 2ft.
- 20) A triangle with the sides: 5cm., 5cm. and 5cm.

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- 1) A triangle with the angles: 40° , 28° and 94°
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- 3) A triangle with the angles: 14° , 25° and 117°
- 4) A triangle with the angles: 65° , 58° and 27°
- 5) A triangle with the angles: 51° , 79° and 50°
- 6) A triangle with the angles: 37° , 81° and 62°
- 7) A triangle with the angles: 129° , 18° and 33°
- 8) A triangle with the angles: 20° , 3° and 144°
- 9) A triangle with the angles: 22° , 22° and 136°
- 10) A triangle with the angles: 30° , 115° and 28°
- 11) A triangle with the sides: 5in., 10in. and 4in.
- 12) A triangle with the sides: 5in., 3in. and 2in.
- 13) A triangle with the sides: 4cm., 10cm. and 3cm.
- 14) A triangle with the sides: 5ft., 9ft. and 4ft.
- 15) A triangle with the sides: 2ft., 2ft. and 1ft.
- 16) A triangle with the sides: 10ft., 10ft. and 10ft.
- 17) A triangle with the sides: 10in., 7in. and 6in.
- 18) A triangle with the sides: 3cm., 10cm. and 2cm.
- 19) A triangle with the sides: 2ft., 2ft. and 2ft.
- 20) A triangle with the sides: 5cm., 5cm. and 5cm.

Answers

1. **i**
2. **i**
3. **i**
4. **i**
5. **p**
6. **p**
7. **p**
8. **i**
9. **p**
10. **i**
11. **i**
12. **i**
13. **i**
14. **i**
15. **p**
16. **p**
17. **p**
18. **i**
19. **p**
20. **p**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 33° , 2° and 118°
- 2) A triangle with the angles: 36° , 10° and 132°
- 3) A triangle with the angles: 120° , 33° and 6°
- 4) A triangle with the angles: 51° , 78° and 51°
- 5) A triangle with the angles: 102° , 9° and 69°
- 6) A triangle with the angles: 5° , 11° and 164°
- 7) A triangle with the angles: 81° , 67° and 8°
- 8) A triangle with the angles: 75° , 4° and 97°
- 9) A triangle with the angles: 6° , 4° and 170°
- 10) A triangle with the angles: 12° , 2° and 151°
- 11) A triangle with the sides: 5cm., 9cm. and 4cm.
- 12) A triangle with the sides: 3cm., 2cm. and 4cm.
- 13) A triangle with the sides: 3mm., 4mm. and 2mm.
- 14) A triangle with the sides: 3ft., 7ft. and 2ft.
- 15) A triangle with the sides: 9mm., 9mm. and 1mm.
- 16) A triangle with the sides: 5mm., 5mm. and 8mm.
- 17) A triangle with the sides: 3cm., 2cm. and 4cm.
- 18) A triangle with the sides: 9cm., 10cm. and 8cm.
- 19) A triangle with the sides: 7mm., 5mm. and 4mm.
- 20) A triangle with the sides: 4ft., 4ft. and 3ft.

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18. _____
19. _____
20. _____



Determine if the statement is possible(p) or impossible(i).

- 1) A triangle with the angles: 33° , 2° and 118°
- 2) A triangle with the angles: 36° , 10° and 132°
- 3) A triangle with the angles: 120° , 33° and 6°
- 4) A triangle with the angles: 51° , 78° and 51°
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- 11) A triangle with the sides: 5cm., 9cm. and 4cm.
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- 13) A triangle with the sides: 3mm., 4mm. and 2mm.
- 14) A triangle with the sides: 3ft., 7ft. and 2ft.
- 15) A triangle with the sides: 9mm., 9mm. and 1mm.
- 16) A triangle with the sides: 5mm., 5mm. and 8mm.
- 17) A triangle with the sides: 3cm., 2cm. and 4cm.
- 18) A triangle with the sides: 9cm., 10cm. and 8cm.
- 19) A triangle with the sides: 7mm., 5mm. and 4mm.
- 20) A triangle with the sides: 4ft., 4ft. and 3ft.

Answers

1. **i**
2. **i**
3. **i**
4. **p**
5. **p**
6. **p**
7. **i**
8. **i**
9. **p**
10. **i**
11. **i**
12. **p**
13. **p**
14. **i**
15. **p**
16. **p**
17. **p**
18. **p**
19. **p**
20. **p**



Determine if the statement is possible(p) or impossible(i).

Answers

- 1) A triangle with the angles: 47° , 85° and 46°
- 2) A triangle with the angles: 30° , 124° and 26°
- 3) A triangle with the angles: 56° , 52° and 72°
- 4) A triangle with the angles: 127° , 18° and 9°
- 5) A triangle with the angles: 4° , 16° and 160°
- 6) A triangle with the angles: 8° , 142° and 30°
- 7) A triangle with the angles: 89° , 86° and 5°
- 8) A triangle with the angles: 26° , 97° and 49°
- 9) A triangle with the angles: 15° , 28° and 123°
- 10) A triangle with the angles: 161° , 11° and 8°
- 11) A triangle with the sides: 6ft., 6ft. and 6ft.
- 12) A triangle with the sides: 9mm., 4mm. and 3mm.
- 13) A triangle with the sides: 10ft., 3ft. and 2ft.
- 14) A triangle with the sides: 3cm., 3cm. and 5cm.
- 15) A triangle with the sides: 2cm., 10cm. and 1cm.
- 16) A triangle with the sides: 4in., 2in. and 1in.
- 17) A triangle with the sides: 7mm., 5mm. and 4mm.
- 18) A triangle with the sides: 10cm., 7cm. and 11cm.
- 19) A triangle with the sides: 6mm., 8mm. and 5mm.
- 20) A triangle with the sides: 9in., 9in. and 8in.

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17. _____
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19. _____
20. _____



Determine if the statement is possible(p) or impossible(i).

- 1) A triangle with the angles: 47° , 85° and 46°
- 2) A triangle with the angles: 30° , 124° and 26°
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- 18) A triangle with the sides: 10cm., 7cm. and 11cm.
- 19) A triangle with the sides: 6mm., 8mm. and 5mm.
- 20) A triangle with the sides: 9in., 9in. and 8in.

Answers

1. **i**
2. **p**
3. **p**
4. **i**
5. **p**
6. **p**
7. **p**
8. **i**
9. **i**
10. **p**
11. **p**
12. **i**
13. **i**
14. **p**
15. **i**
16. **i**
17. **p**
18. **p**
19. **p**
20. **p**