	Solving Chele Equations	Name.
Solv	re each problem. Round to two decimal places.	Answers
1)	x value of 3 and radius of 7. Find the value of y.	
		1
2)	x value of 3 and radius of 6. Find the value of y.	2
2)	1 CO 1 1 CO 40 F' 1.1 1'	3
3)	y value of 3 and x value of 8.49. Find the radius.	4
		5.
4)	x value of 3 and y value of 2. Find the radius.	J
		6
5)	y value of 3 and x value of 6.32. Find the radius.	7.
		· -
6)	x value of 4 and radius of 6. Find the value of y.	8
ŕ	·	9
7)	w value of 4 and radius of 7. Find the value of v	
1)	x value of 4 and radius of 7. Find the value of y.	10
		11
8)	y value of 4 and x value of 8.06. Find the radius.	12.
		12.
9)	x value of 5 and radius of 8. Find the value of y.	13
10)	x value of 4 and radius of 10. Find the value of y.	
11)	x value of 3 and radius of 9. Find the value of y.	
	•	
12)	y value of 2 and y value of 8.77. Find the radius	
14)	y value of 2 and x value of 8.77. Find the radius.	
4.5		
13)	y value of 2 and x value of 9.80. Find the radius.	



Answer Key

Name:

Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 7. Find the value of y. $y^{2} = 7^{2} - 3^{2}$ $y = \pm \sqrt{40}$
- 2) x value of 3 and radius of 6. Find the value of y. $y^{2} = 6^{2} - 3^{2}$ $y = \pm \sqrt{27}$
- 3) y value of 3 and x value of 8.49. Find the radius. $x^{2} = 9^{2} - 3^{2}$ $x = \pm \sqrt{72}$
- 4) x value of 3 and y value of 2. Find the radius. $r^{2} = 3^{2} + 2^{2}$ $r = \pm \sqrt{9}$
- 5) y value of 3 and x value of 6.32. Find the radius. $x^{2} = 7^{2} - 3^{2}$ $x = \pm \sqrt{40}$
- 6) x value of 4 and radius of 6. Find the value of y. $y^{2} = 6^{2} - 4^{2}$ $y = \pm \sqrt{20}$
- 7) x value of 4 and radius of 7. Find the value of y. $y^{2} = 7^{2} - 4^{2}$ $y = \pm \sqrt{33}$
- 8) y value of 4 and x value of 8.06. Find the radius. $x^{2} = 9^{2} - 4^{2}$ $x = \pm \sqrt{65}$
- 9) x value of 5 and radius of 8. Find the value of y. $y^{2} = 8^{2} - 5^{2}$ $y = \pm \sqrt{39}$
- 10) x value of 4 and radius of 10. Find the value of y. $y^{2} = 10^{2} - 4^{2}$ $y = \pm \sqrt{84}$
- 11) x value of 3 and radius of 9. Find the value of y. $y^{2} = 9^{2} - 3^{2}$ $y = \pm \sqrt{72}$
- 12) y value of 2 and x value of 8.77. Find the radius. $x^{2} = 9^{2} - 2^{2}$ $x = \pm \sqrt{77}$
- 13) y value of 2 and x value of 9.80. Find the radius. $x^{2} = 10^{2} - 2^{2}$ $x = \pm \sqrt{96}$

Answers

- 1. ±6.32
- 2. ±5.20
- 3. ±**8.49**
- 4. **±3.61**
- 5. ±**6.32**
- 6. ±**4.47**
- 7. ±**5.74**
- 8. ±**8.06**
- 9. ±**6.24**
- ±**9.17**
- 11. **±8.49**
- 12. **±8.77**
- _{13.} ±9.80