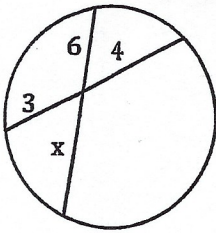


Ch 10.7 Intersecting Chord Thm

Find x...

1.



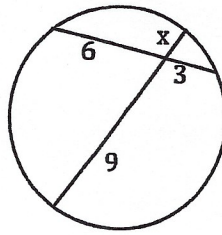
$$6x = (3)(4)$$

$$6x = 12$$

$$x = \frac{12}{6}$$

$$x = \boxed{2}$$

2.

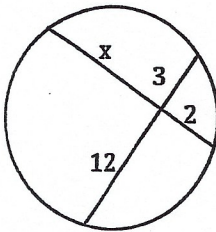


$$9x = 3(6)$$

$$9x = 18$$

$$x = \boxed{2}$$

3.

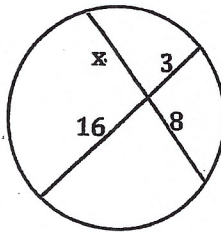


$$2x = 3(12)$$

$$2x = 36$$

$$x = \boxed{18}$$

4.

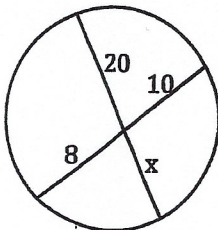


$$8x = 16(3)$$

$$8x = 48$$

$$x = \boxed{6}$$

5.

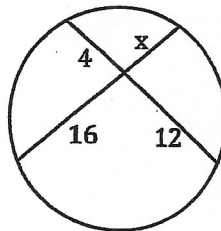


$$20x = 8(10)$$

$$20x = 80$$

$$x = \boxed{4}$$

6.

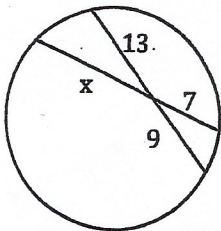


$$16x = 12(4)$$

$$16x = 48$$

$$x = \boxed{3}$$

7.

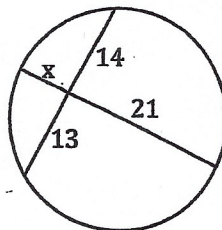


$$7x = 13(9)$$

$$7x = 117$$

$$x = \boxed{16.71}$$

8.



$$21x = 13(14)$$

$$21x = 182$$

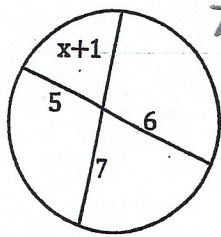
$$x = \boxed{8.67}$$

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Bubble all the correct answers from above. Don't bubble incorrect answers.

8 4.85 4 19.5 1.5 8.67 4.5 16.71 19 6 3 2 2 18

9.



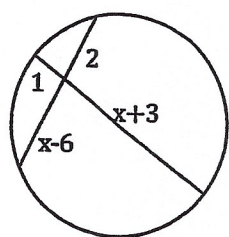
$$7(x+1) = 5(6)$$

$$7x+7 = 30$$

$$7x = 23$$

$$x = \boxed{3.29}$$

10.



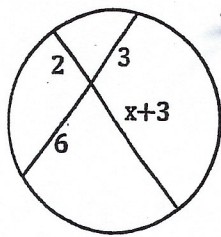
$$2(x-6) = 1(x+3)$$

$$2x-12 = x+3$$

$$2x-x = 12+3$$

$$x = \boxed{15}$$

11.



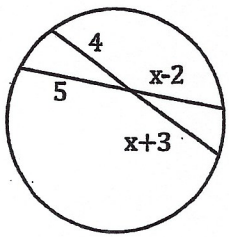
$$2(x+3) = 3(6)$$

$$2x+6 = 18$$

$$2x = 12$$

$$x = \boxed{6}$$

12.

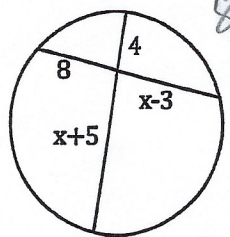


$$5(x-2) = 4(x+3)$$

$$5x-10 = 4x+12$$

$$x = \boxed{22}$$

13.



$$8(x-3) = 4(x+5)$$

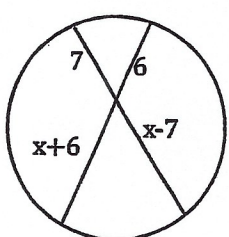
$$8x-24 = 4x+20$$

$$8x-4x = 20+24$$

$$4x = 44$$

$$x = \boxed{11}$$

14.



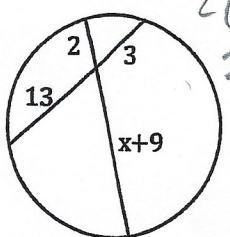
$$7(x-7) = 6(x+6)$$

$$7x-49 = 6x+36$$

$$7x-6x = 49+36$$

$$x = \boxed{85}$$

15.



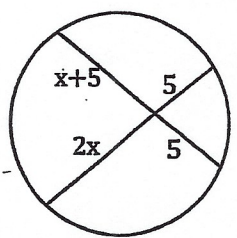
$$2(x+9) = 3(13)$$

$$2x+18 = 39$$

$$2x = 21$$

$$x = \boxed{10.5}$$

16.



$$5(x+5) = 5(2x)$$

$$5x+25 = 10x$$

$$25 = 5x$$

$$\boxed{5} = x$$

Bubble all the correct answers from above. Don't bubble incorrect answers.

- 22
 11
 6
 8
 13.5
 10.5
 15
 5
 4.39
 85
 3.29
 58
 93
 4.67