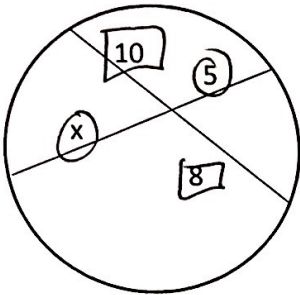


9. Blank Homework
Math 3313

Intersecting _____ Key _____
Date _____ Period _____

Find the value of the variable.

1.

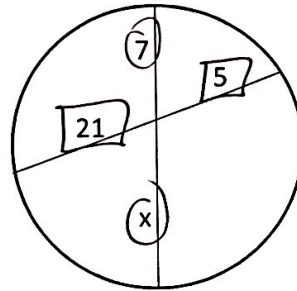


$$5x = 8(10)$$

$$5x = 80$$

$$\boxed{x = 16}$$

2.

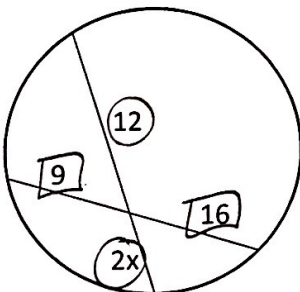


$$7x = 5(21)$$

$$7x = 105$$

$$\boxed{x = 15}$$

3.

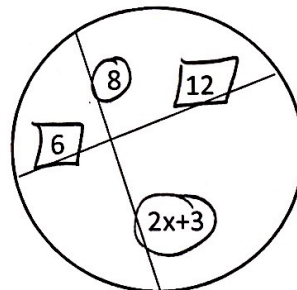


$$2x(12) = 9(16)$$

$$24x = 144$$

$$\boxed{x = 6}$$

4.



$$8(2x+3) = 6(12)$$

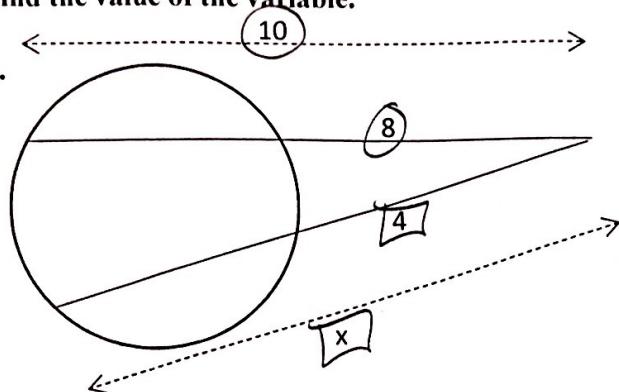
$$16x + 24 = 72$$

$$16x = 48$$

$$\boxed{x = 3}$$

Find the value of the variable.

5.

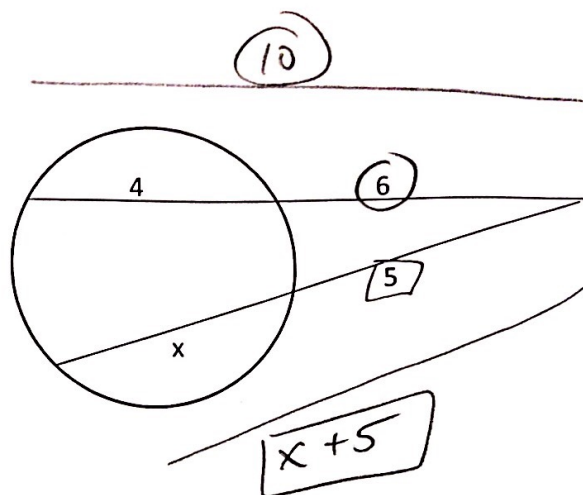


$$8(10) = 4(x)$$

$$80 = 4x$$

$$\boxed{20 = x}$$

6.



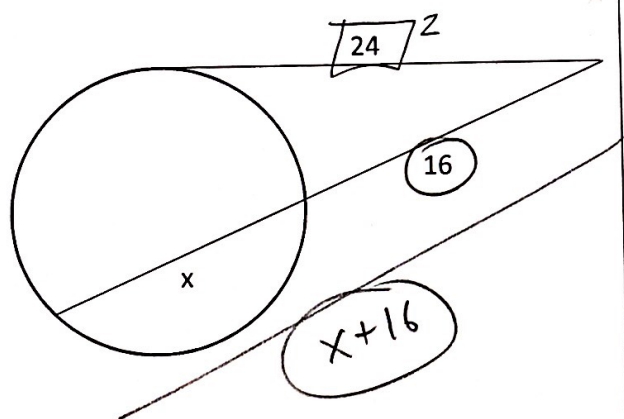
$$6(10) = 5(x+5)$$

$$60 = 5x + 25$$

$$35 = 5x$$

$$\boxed{7 = x}$$

7.



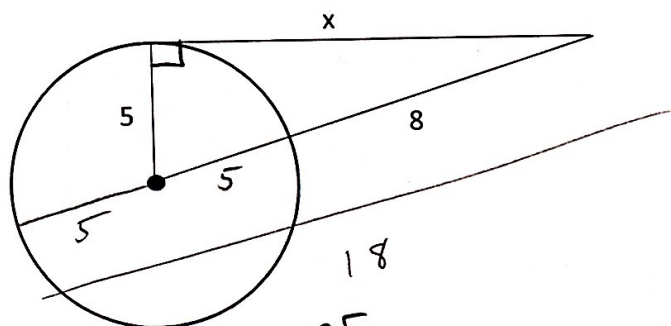
$$16(x+16) = 24^2$$

$$16x + 256 = 576$$

$$16x = 320$$

$$\boxed{x = 20}$$

8.



$$5^2 + x^2 = 13^2$$

$$25 + x^2 = 169$$

$$x^2 = 144$$

$$\boxed{x = 12}$$

$$x^2 = 8(18)$$

$$x^2 = 144$$

$$\boxed{x = 12}$$