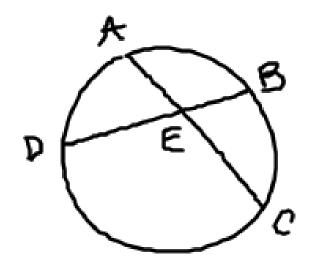
10 - 7 Special Segments in a Circle

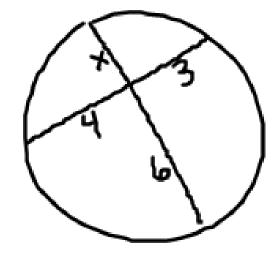
Theorem 10.15





AE · EC = DE · EB

EX: Find X.

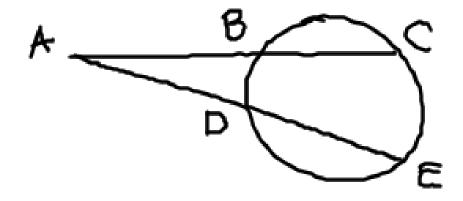


$$6x = 4.3$$
 $6x = 12$



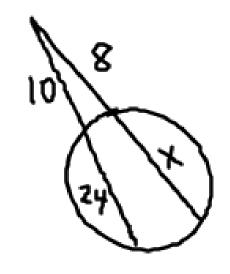
Theorem 10.16

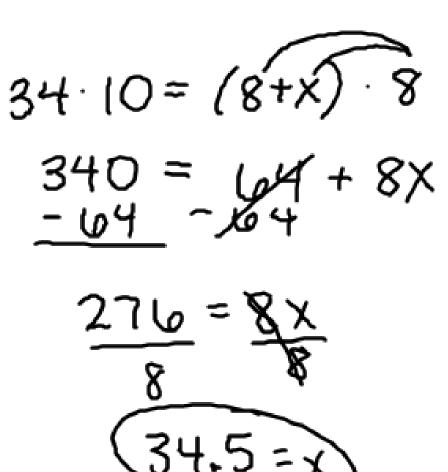




AC . AB = AE . AD

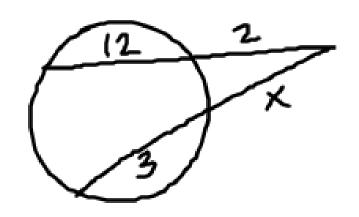
EX: Find X.







EX: Find X.



$$14 \cdot 2 = (x+3) \cdot x$$

$$28 = x^{2} + 3x$$

$$-28$$

$$-28$$

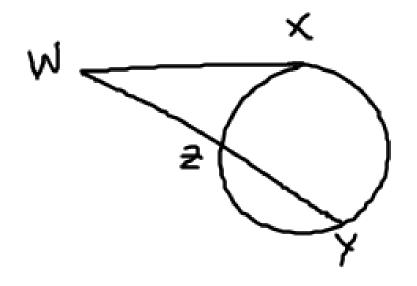
$$0 = x^{2} + 3x - 28$$

$$0 = (x-4)(x+7)$$

$$x = 4$$

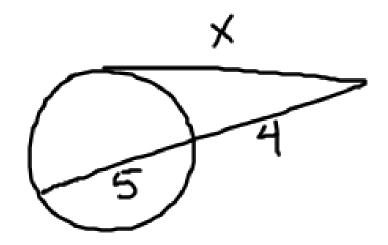
Theorem 10.17

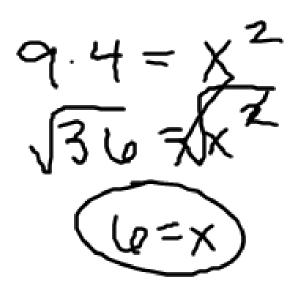




EX: Find X.









Homework:

10 - 7 WS