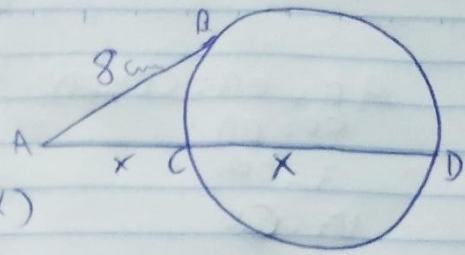


1)



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

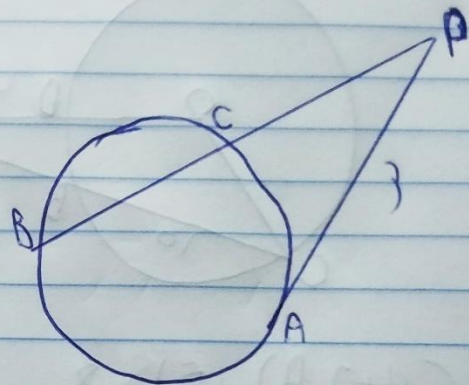
$$64 = x^2 \cdot 2$$

$$32 = x^2$$

$$x = \sqrt{32}$$

$$x = 4\sqrt{2}$$

2)



$$PB = 9, PC = 4$$

3)

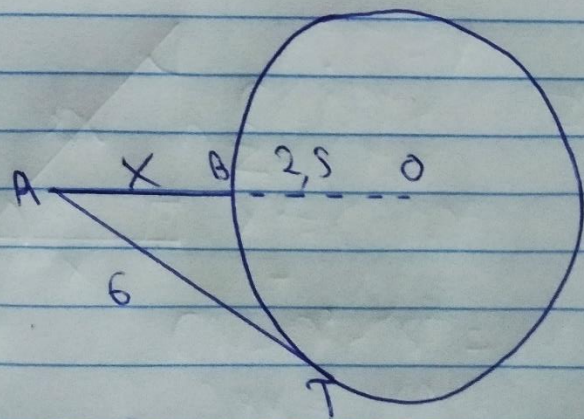
$$(x+2,5)^2 = 6^2 + 2,5^2$$

$$(x+2,5)^2 = 42,25$$

$$x+2,5 = 6,5$$

$$x = 6,5 - 2,5$$

$$x = 4$$



4)

$$AE \times EB = CE \times ED$$

$$CE = ED$$

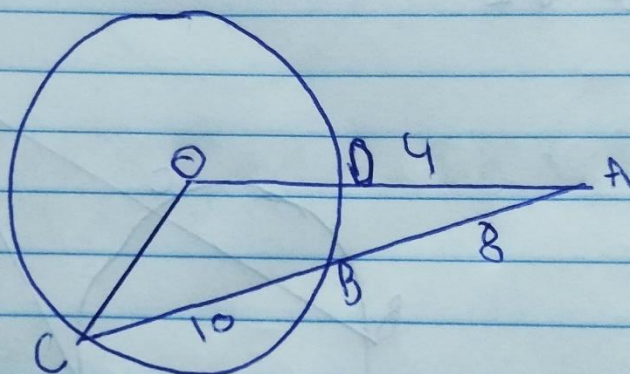
$$3 = CE^2$$

$$\sqrt{3} = CE$$

$$CD = 2CE$$

$$CD = 2\sqrt{3}$$

5)



$$(4 + 2R) \cdot 4 = 18 \cdot 8$$

$$16 + 8R = 144$$

$$8R = 128$$

$$R = 16$$

$$R = 16$$

$$18$$

$$16$$

$$+ 20$$

$$\hline 54$$