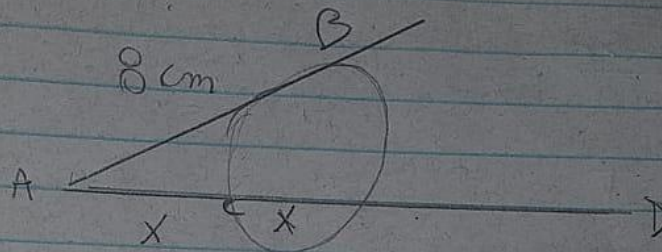


## Potência de um ponto

①



$$8 \cdot 8 = 64$$

$$x(2x) = 64$$

$$2x^2 = 64$$

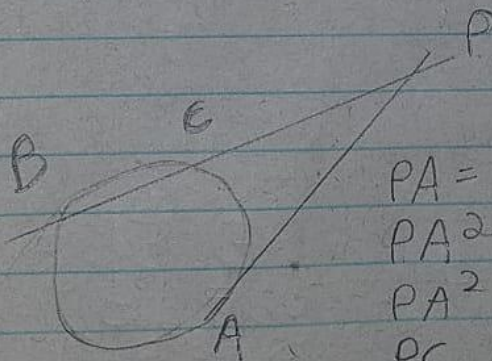
$$x^2 = 32$$

$$x = \sqrt{32}$$

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

Letra E

②



$$PA = 3PC$$

$$PA^2 = (3PC)^2$$

$$PA^2 = 9PC^2$$

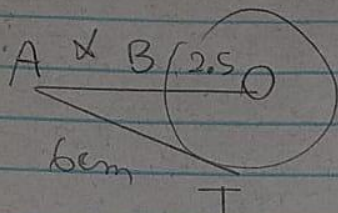
$$PC \cdot PB = 9PC^2$$

$$PB = \frac{9PC^2}{PC}$$

$$PB = 9PC$$

Letra B

③



$$2(2.5) = 5$$

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

$$x^2 + 5x = 6^2$$

$$x^2 + 5x = 36$$

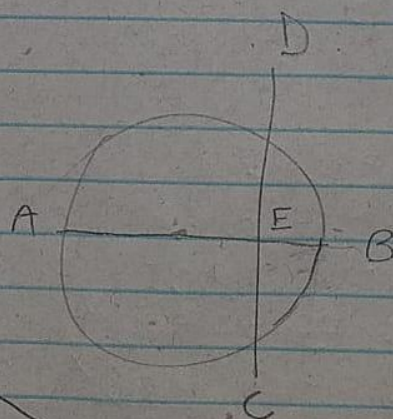
$$x^2 + 5x - 36 = 0$$

$$x = -9 \text{ - No connection}$$

$$x = 4$$

Setro E

④



$$AE \cdot EB = 3$$

$$CD = 2ED$$

$$ED^2 = 3$$

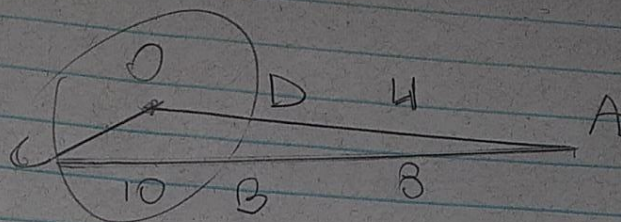
$$ED = \sqrt{3}$$

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

Setro B



5.



$$8 \cdot 18 = 144$$

$$4(4+2x) = 144$$

$$16 + 8x = 144$$

$$8x = 128$$

$$x = 16$$

$$16 + 16 + 10 + 8 + 4$$



54

Intro E