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CT11-317

## Tarefa Básica - Potência de Ponto

01.  $AC \cdot AD = (AB)^2$

$$x \cdot 2x = 8^2$$

$$2x^2 = 64$$

$$x^2 = \frac{64}{2}$$

$$x = \sqrt{32}$$

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

Letra E

$$\begin{array}{r|l} 32 & 2 \\ 16 & 2 > 2 \\ 8 & 2 > 2 \\ 4 & 2 \\ 2 & 2 \\ 1 & \end{array}$$

02.  $PC \cdot PB = (PA)^2$

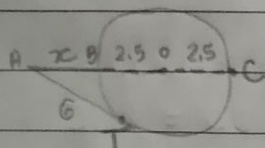
$$PC \cdot PB = (3PC)^2$$

$$PB = 9PC$$

PC

PB = 9PC Letra B

03.



$$AB \cdot AC = (AT)^2$$

$$x \cdot (x+5) = 6^2$$

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

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

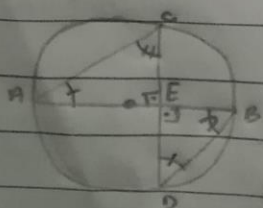
$$-9 + 4 = -5$$

$$-9 \cdot 4 = -36$$

x = 4 Letra E

~ n comum

04)



$$CE \cdot ED = AE \cdot EB$$

$$CE \cdot CE = 3$$

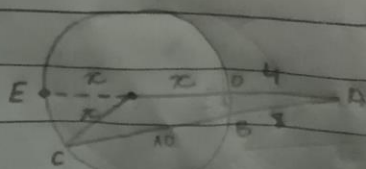
$$(CE)^2 = 3$$

$$CE = \sqrt{3}$$

$$CD = 2CE$$

CD = 2\sqrt{3} Letra B

05.



$$AB \cdot AC = AD \cdot AE$$

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

$$144 = 16 + 8x$$

$$8x = 128$$

$$x = 16$$

$$AP = AC + AD + CD$$

$$AP = 18 + 20 + 16 = 54 \text{ Letra E}$$