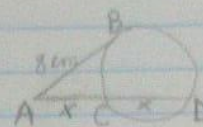


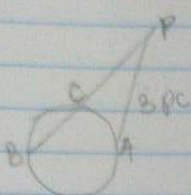
Soluna Medias de Lima - CTII 317

Partição de uma potência

01- $AB^2 = AC \cdot AD$ 32 | 2
 $8^2 = x \cdot 2x$ 16 | 2
 $64 = 2x^2$ 8 | 2
 $64 = 32 = x^2$ 4 | 2
 2 2 | 2
 $x = \sqrt{32} \rightarrow 4\sqrt{2}$ 1

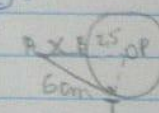


R.E

02-  $PA^2 = PC \cdot PB$
 $3PC^2 = PC \cdot PB$
 $9PC = PB$
 PC
 $PB = 9PC$

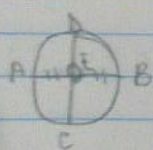
$PA = 3PC$

R.B

03-  $AT^2 = AB \cdot AP$ $4 + -9 = -5$
 $6^2 = x \cdot x \cdot 2,5$ $4 \cdot -9 = -36$
 $36 = x^2 \cdot 2,5$
 $0 = -36 + x^2 + 5$ $x = 4$ ou $x = -9$ (não
conveniente)

R.E

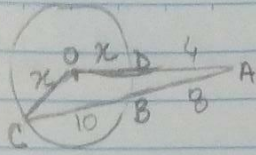
04- $AE \cdot EB = 3$



$AE \cdot EB = CE \cdot DE$ $CD = CE + ED$
 $CE^2 = 3$ $CD = 2 \cdot CE$
 $CE = \sqrt{3}$ $CD = 2 \cdot \sqrt{3}$

R.B

05-



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

$$(4+2x) \cdot 4 = 16 \cdot 8$$

$$16+8x = 144$$

$$x = \frac{144-16}{8} = \frac{128}{8} = 16$$

$$P = 18 + 16 + 20 = 54$$

R.E