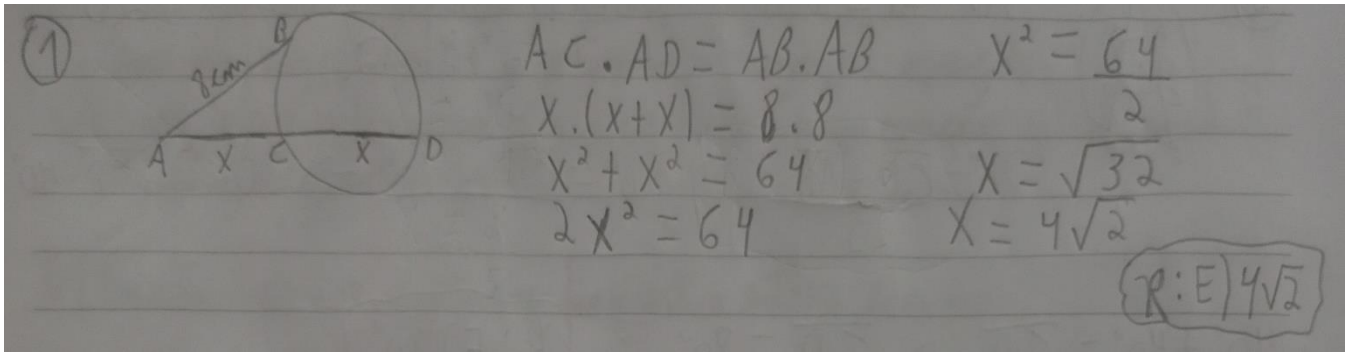
João Batista Rufino da Silva Junior. CTII 350.

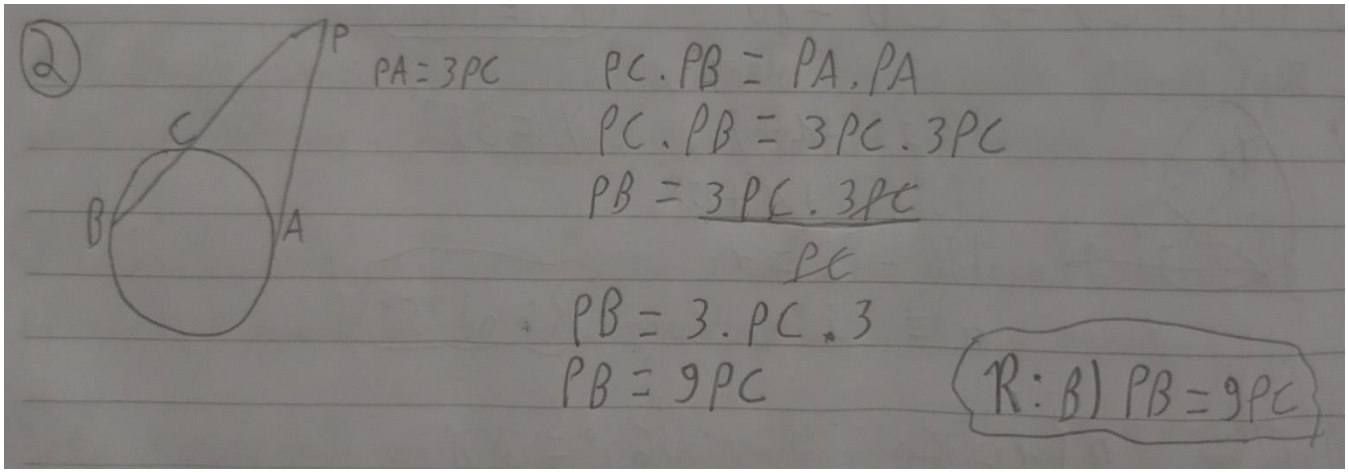
Potência de um ponto:

1.



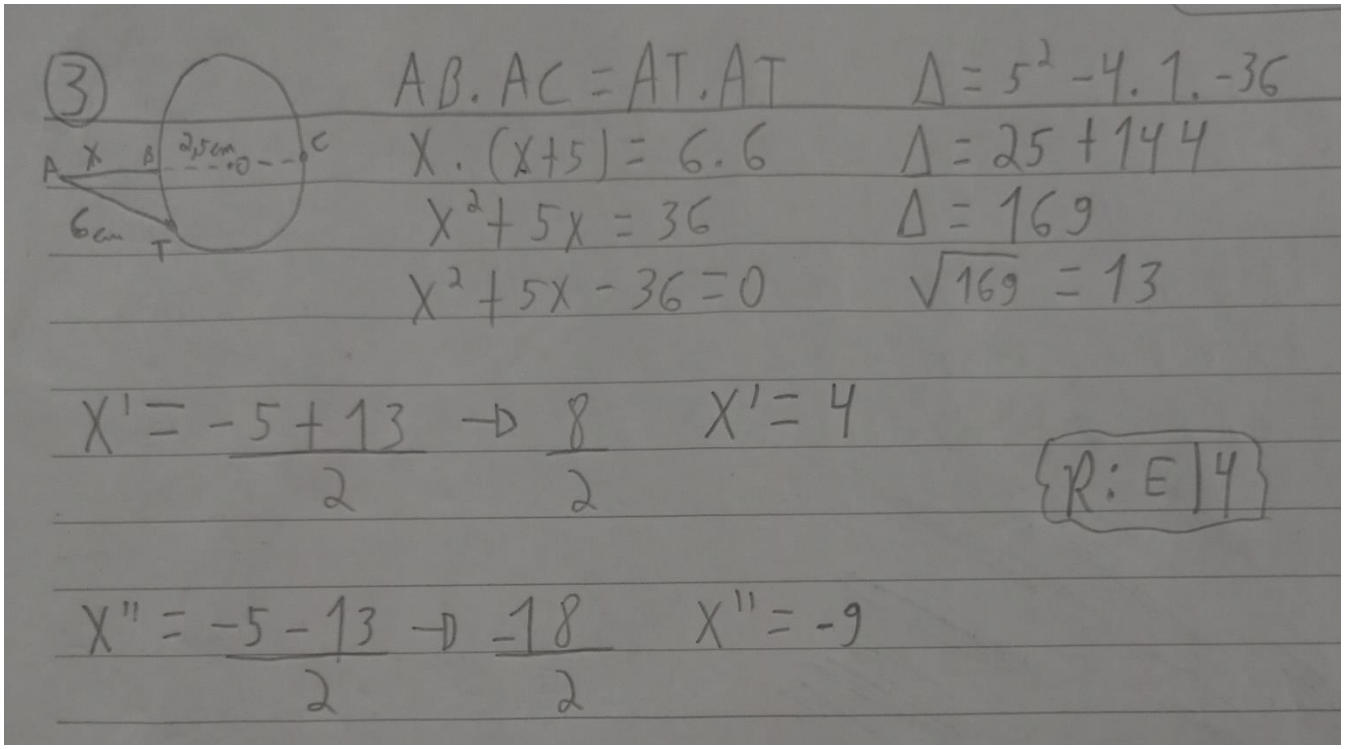
R: e) 4√2

2.



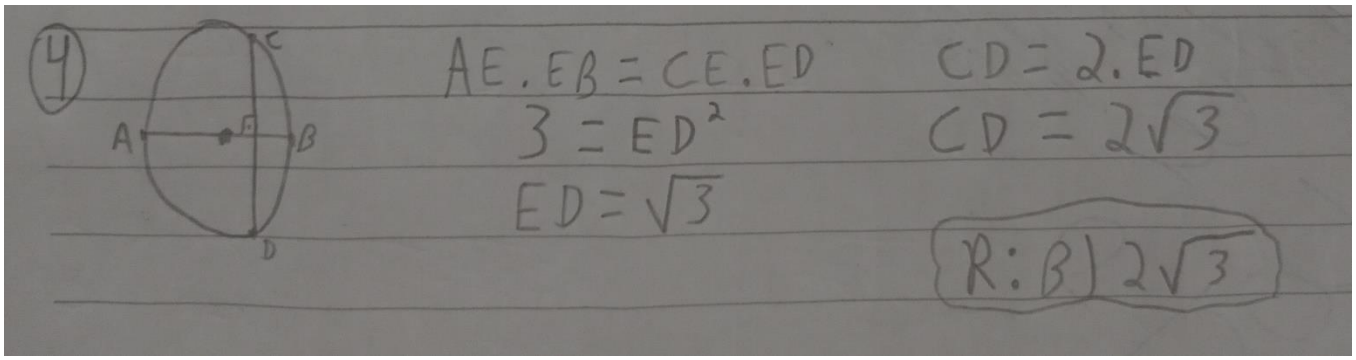
R: b) PB = 9PC

3.


3
A
X
B
2,5cm
O
C
6cm
T
AB.AC = AT.AT
X.(X+5) = 6.6
X² + 5X = 36
X² + 5X - 36 = 0
Δ = 5² - 4.1.-36
Δ = 25 + 144
Δ = 169
√169 = 13
X' = -5+13 / 2 → 8/2 X' = 4
R: E | 4
X'' = -5-13 / 2 → -18/2 X'' = -9

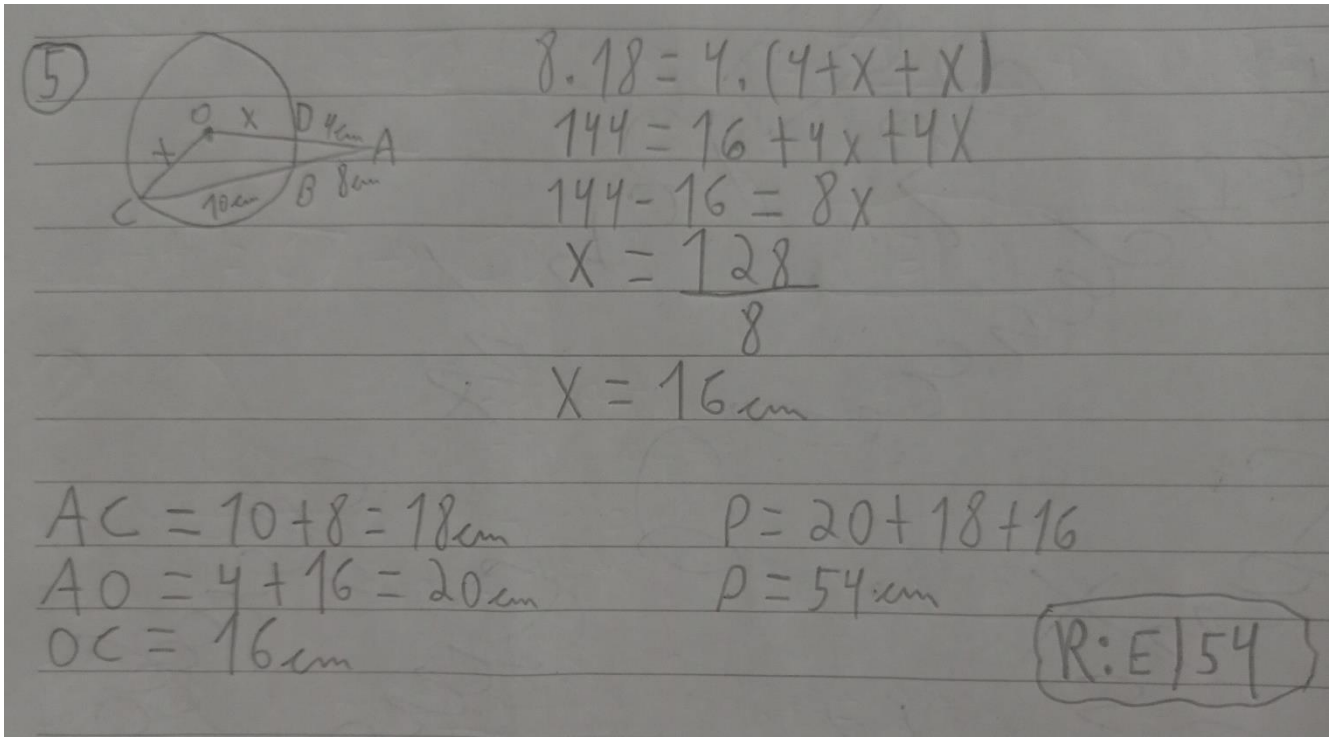
R: e) 4

4.


4
C
A
E
B
D
AE.EB = CE.ED
3 = ED²
ED = √3
CD = 2.ED
CD = 2√3
R: B | 2√3

R: b) 2√3

5.


5
O
X
D
4cm
A
B
8cm
C
10cm
8.18 = 4.(4+X+X)
144 = 16 + 4x + 4X
144 - 16 = 8X
X = 128/8
X = 16cm
AC = 10+8 = 18cm
AO = 4+16 = 20cm
OC = 16cm
P = 20+18+16
P = 54cm
R: E | 54

R: e) 54