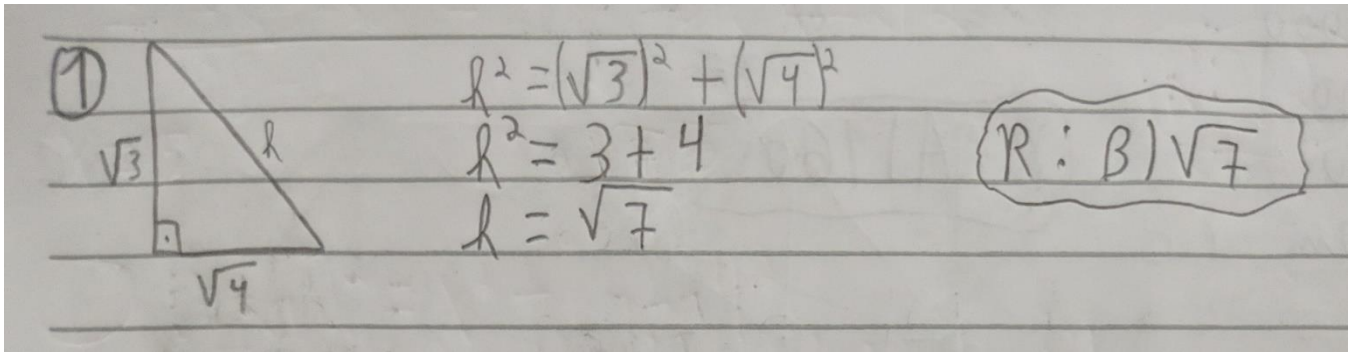
João Batista Rufino da Silva Junior. CTII 350.

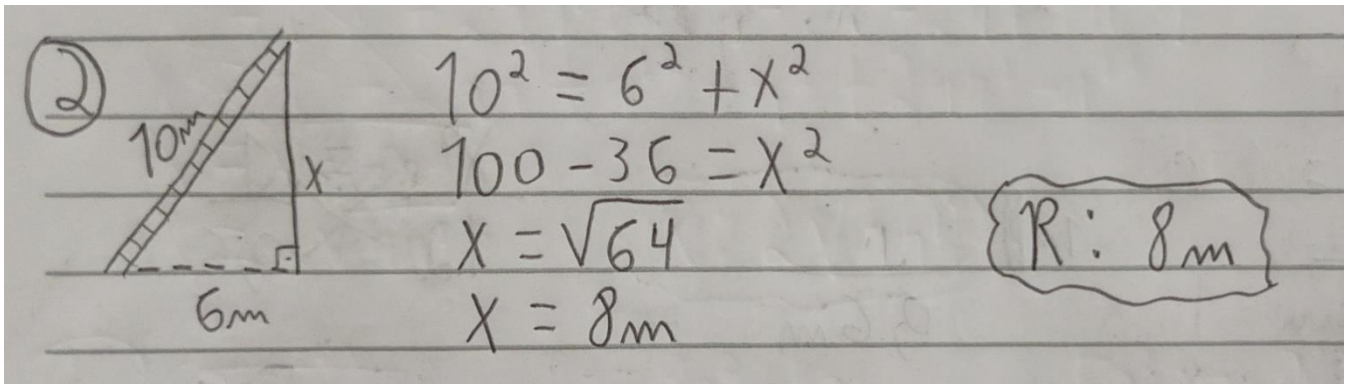
**Triângulo Retângulo:**

**1.**



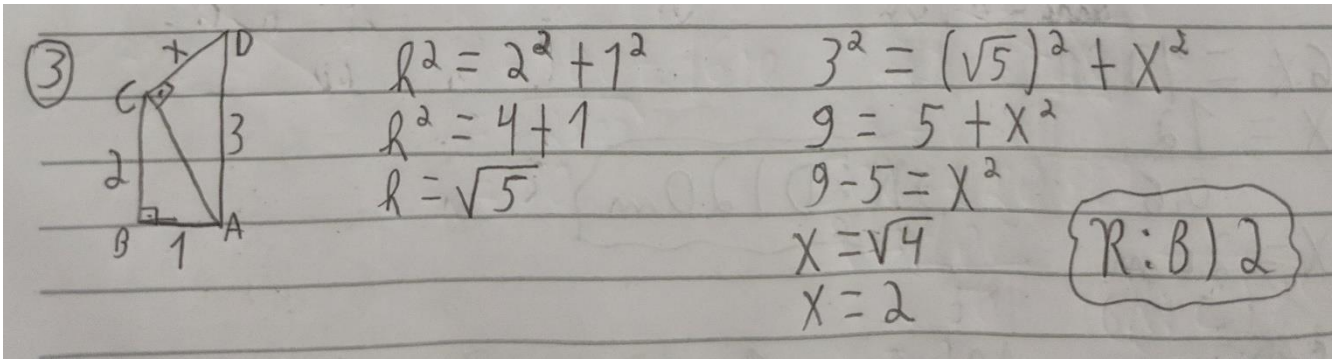

**R:** b) $\sqrt{7}$

**2.**



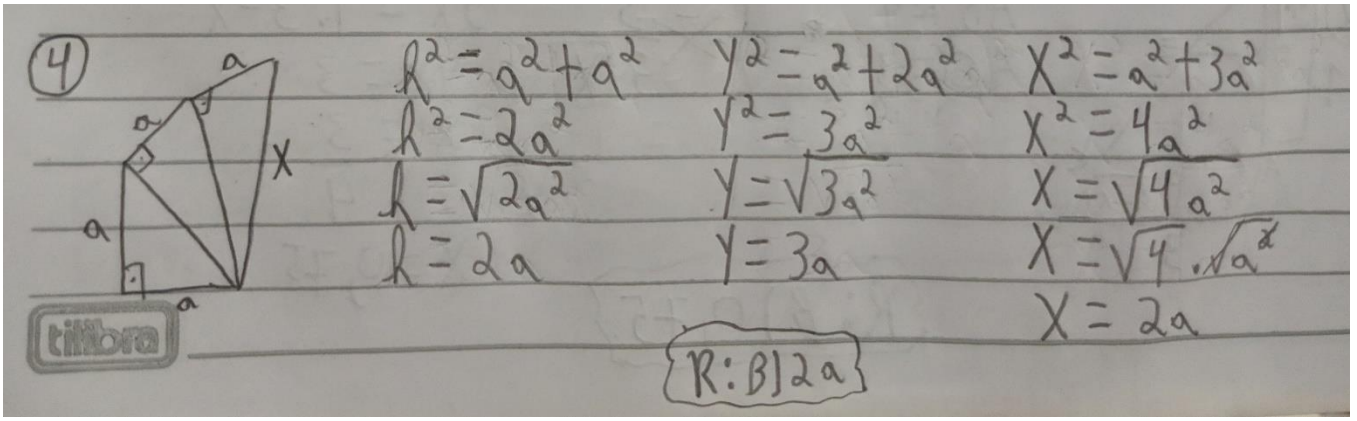

**R:** 8m

**3.**


3
C
D
2
3
B
1
A
$h^2 = 2^2 + 1^2$
$h^2 = 4 + 1$
$h = \sqrt{5}$
$3^2 = (\sqrt{5})^2 + X^2$
$9 = 5 + X^2$
$9 - 5 = X^2$
$X = \sqrt{4}$
$X = 2$
R: B) 2

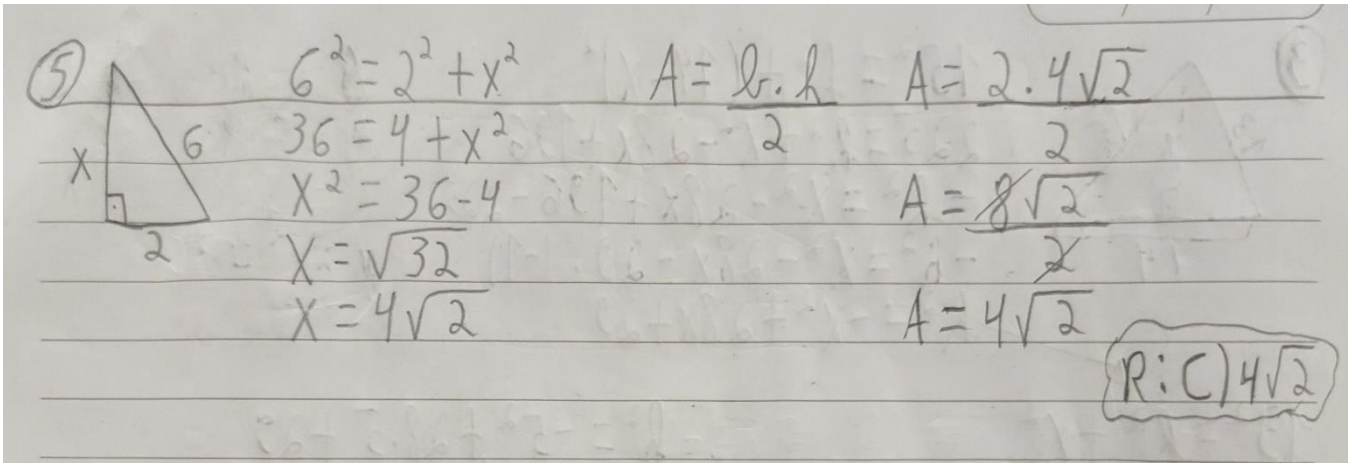
**R:** b) 2

**4.**


4
a
a
X
a
a
$h^2 = a^2 + a^2$
$h^2 = 2a^2$
$h = \sqrt{2a^2}$
$h = 2a$
$Y^2 = a^2 + 2a^2$
$Y^2 = 3a^2$
$Y = \sqrt{3a^2}$
$Y = 3a$
$X^2 = a^2 + 3a^2$
$X^2 = 4a^2$
$X = \sqrt{4a^2}$
$X = \sqrt{4} \cdot \sqrt{a^2}$
$X = 2a$
R: B) 2a

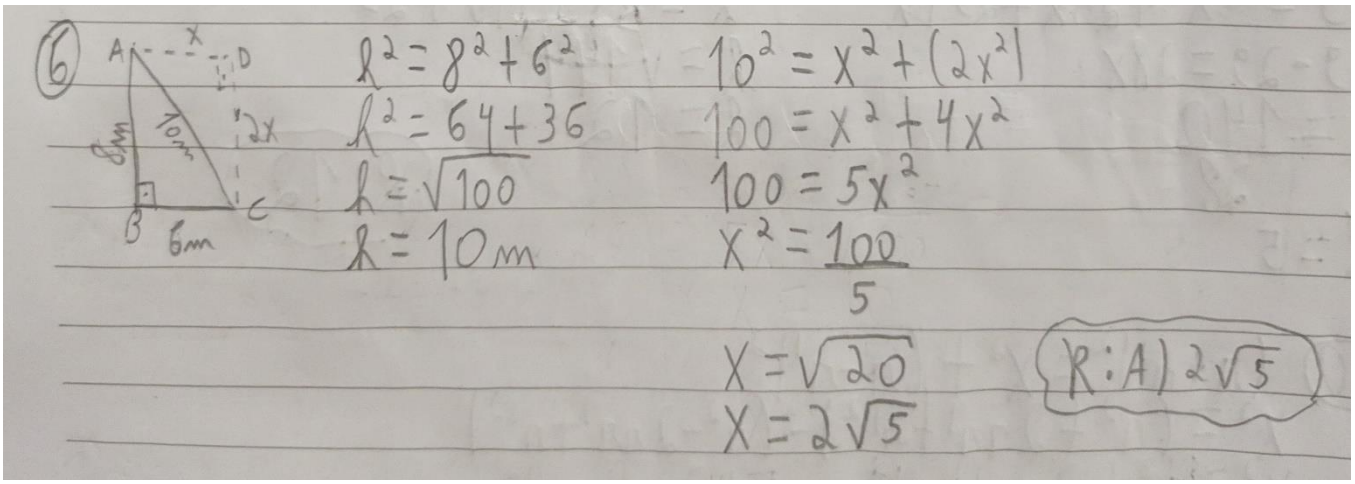
**R:** b) 2a

**5.**



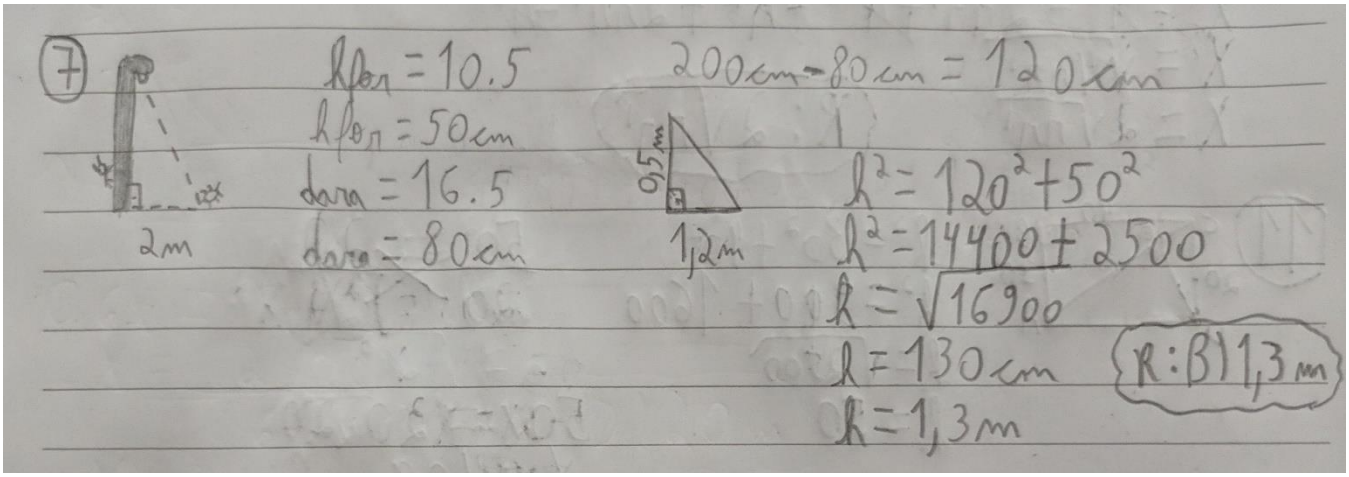

**R:** c) $4\sqrt{2}$

**6.**



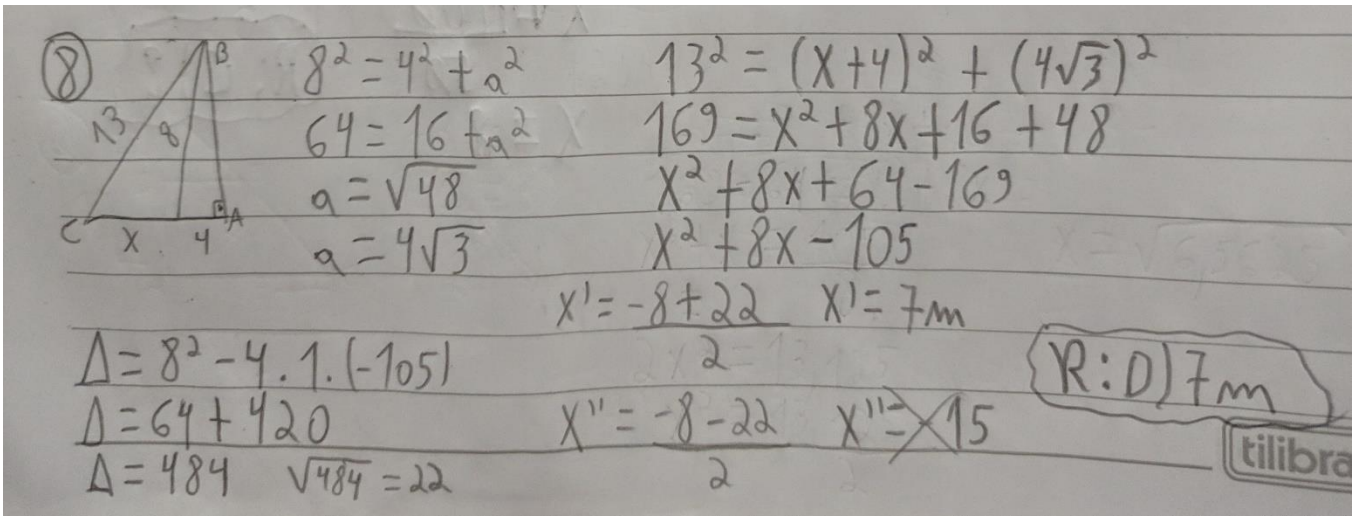

**R:** a) $2\sqrt{5}$

**7.**



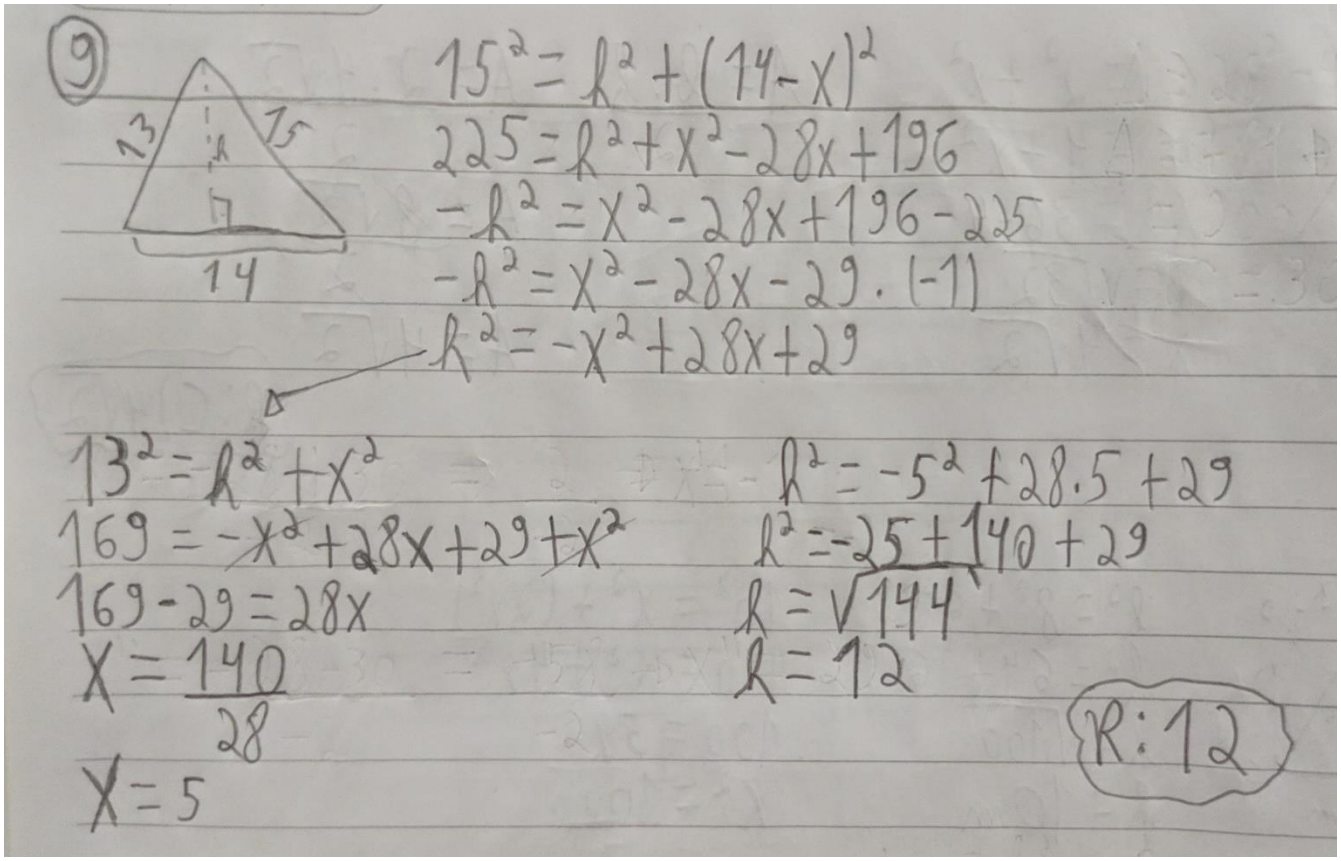

**R:** b) 1,3m

**8.**



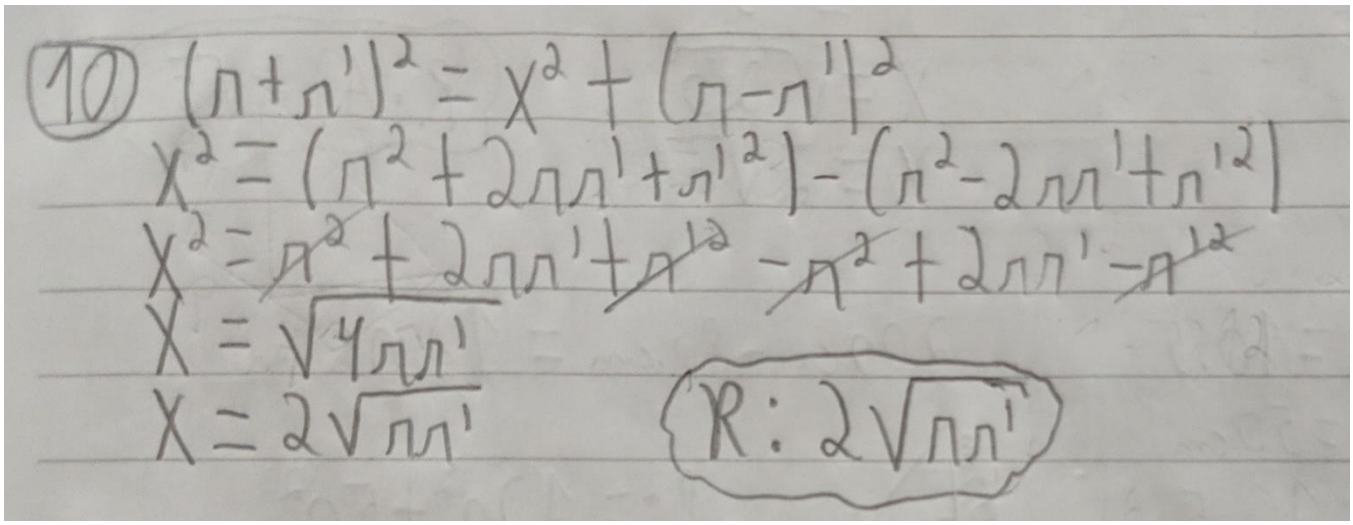

**R:** d) 7m

**9.**



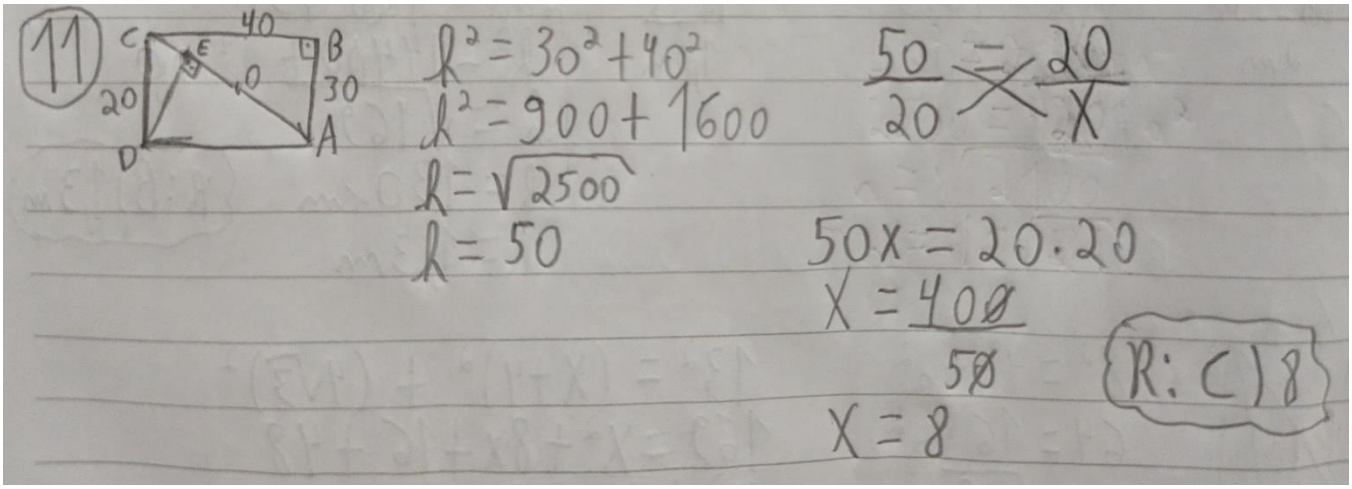

**R:** 12

**10.**




**R:** $2\sqrt{r * r'}$

**11.**


11
C
40
B
E
O
20
30
D
A
$l^2 = 30^2 + 40^2$
$l^2 = 900 + 1600$
$l = \sqrt{2500}$
$l = 50$
$\frac{50}{20} = \frac{20}{x}$
$50x = 20 \cdot 20$
$x = \frac{400}{50}$
$x = 8$
R: C) 8

**R:** c) 8