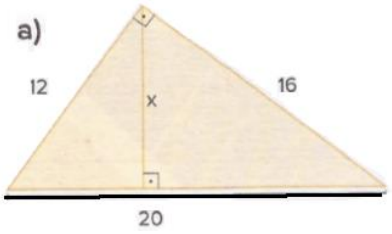
Disciplina: Matemática - 9º Ano A

Profª Claudia

Gabarito dos exercícios do livro - pág 113

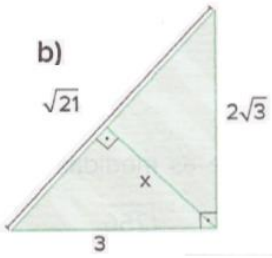
a)



Da relação métrica a.h = b.c

$20x = 12.16 \Rightarrow x = \frac{192}{20} = 9{,}6$ cm

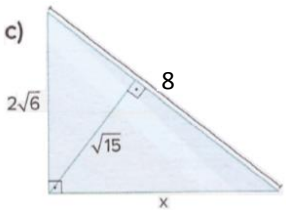
b)



Da relação métrica a.h = b.c

$x.\sqrt{21} = 2\sqrt{3}.3 \Rightarrow x = \frac{6\sqrt{3}}{\sqrt{21}} = \frac{6\sqrt{7}}{7}$ cm

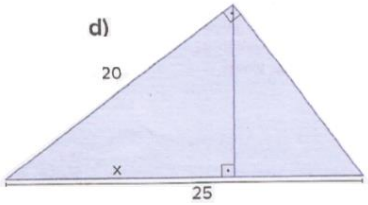
c)



Da relação métrica a.h = b.c

$8.\sqrt{15} = 2\sqrt{6}.x \Rightarrow x = \frac{8\sqrt{15}}{2\sqrt{6}} = 2\sqrt{10}$ cm

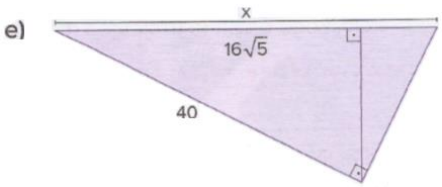
d)



Da relação métrica c^2 = a.m

$20^2 = x.25 \Rightarrow x = \frac{400}{25} = 16$ cm

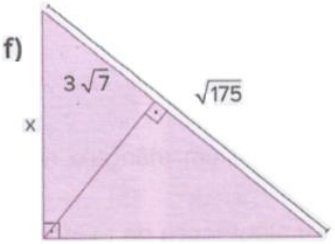
e)



Da relação métrica c^2 = a.m

$40^2 = 16\sqrt{5}.x \Rightarrow x = \frac{1600}{16\sqrt{5}} = 20\sqrt{5}$ cm

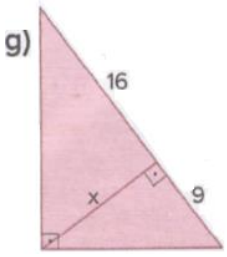
f)



Da relação métrica c^2 = a.m

$x^2 = 3\sqrt{7}.\sqrt{175} \Rightarrow x = \sqrt{105}$ cm

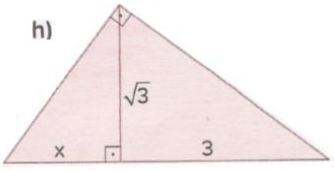
g)



Da relação métrica h^2 = m.n

$x^2 = 16.9 \Rightarrow x = \sqrt{144} = 12$ cm

h)



Da relação métrica h^2 = m.n

$(\sqrt{3})^2 = x.3 \Rightarrow 3 = x.3 \Rightarrow x = \frac{3}{3} = 1$cm