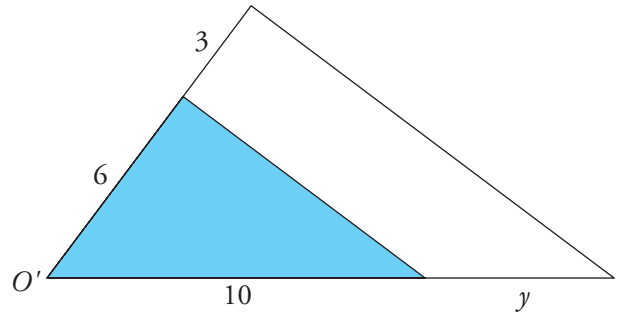
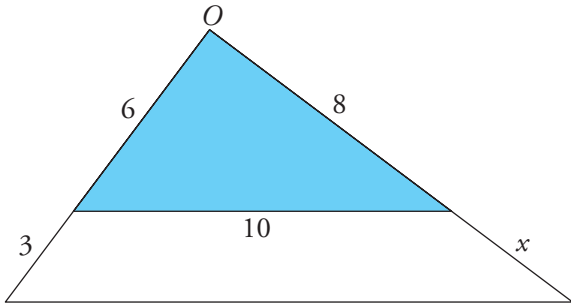




5. Practica: triángulos semejantes  
Soluciones

1 Observa y completa paso a paso.

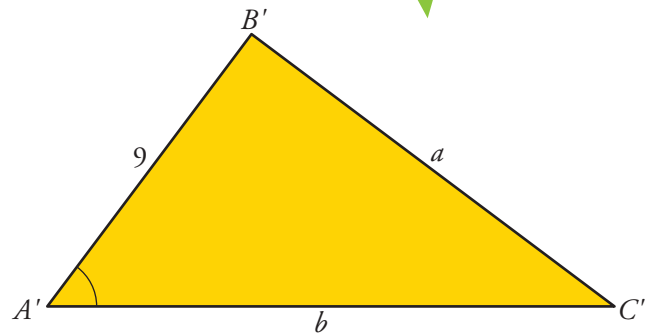
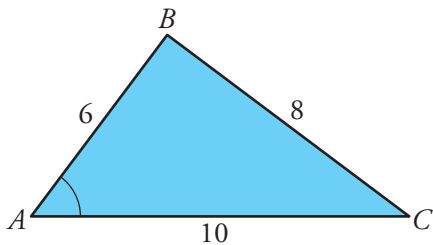
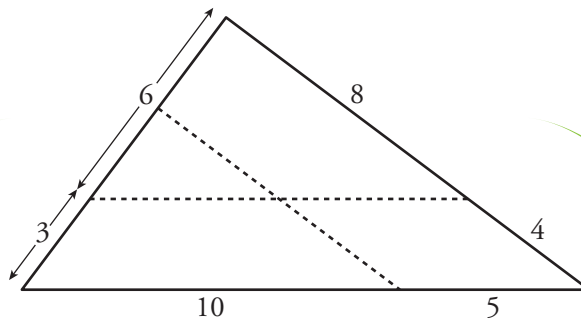


$$\frac{6}{8} = \frac{\boxed{3}}{x}$$

$$x = \frac{\boxed{8} \cdot \boxed{3}}{\boxed{6}} = \boxed{4}$$

$$\frac{6}{10} = \frac{\boxed{3}}{y}$$

$$y = \frac{\boxed{10} \cdot \boxed{3}}{\boxed{6}} = \boxed{5}$$



$$\frac{6}{9} = \frac{8}{a} = \frac{10}{b}$$

$$a = \frac{\boxed{9} \cdot \boxed{8}}{\boxed{6}} = \boxed{12}$$

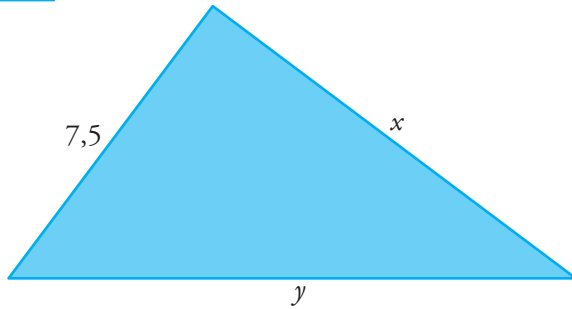
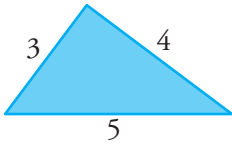
$$b = \frac{\boxed{9} \cdot \boxed{10}}{\boxed{6}} = \boxed{15}$$



5. Practica: triángulos semejantes  
Soluciones

2 En cada pareja de triángulos semejantes, calcula y completa:

a)

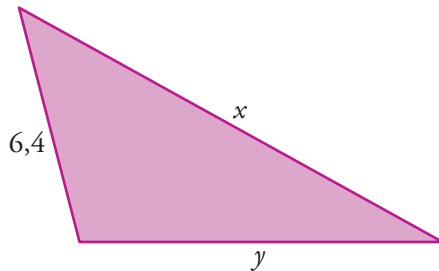
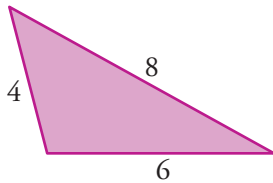


$$\frac{3}{7,5} = \frac{4}{x} = \frac{5}{y}$$

$$x = \frac{7,5 \cdot 4}{3} = 10$$

$$y = \frac{7,5 \cdot 5}{3} = 12,5$$

b)

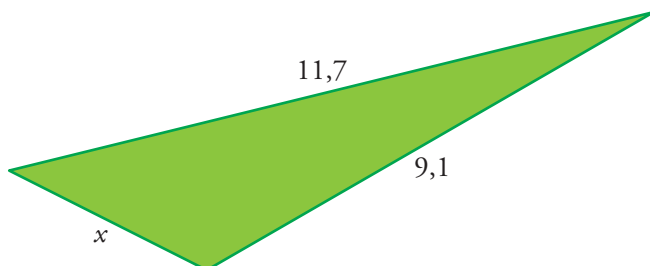
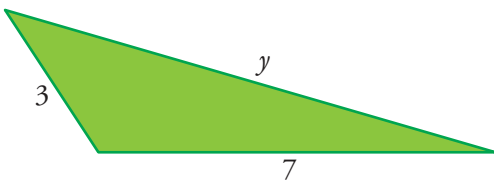


$$\frac{4}{6,4} = \frac{8}{x} = \frac{6}{y}$$

$$x = \frac{6,4 \cdot 8}{4} = 12,8$$

$$y = \frac{6,4 \cdot 6}{4} = 9,6$$

c)



$$\frac{7}{9,1} = \frac{3}{x} = \frac{y}{11,7}$$

$$x = \frac{9,1 \cdot 3}{7} = 3,9$$

$$y = \frac{7 \cdot 11,7}{9,1} = 9$$