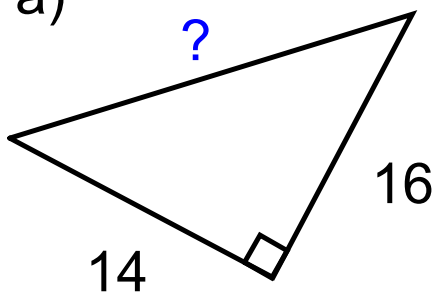
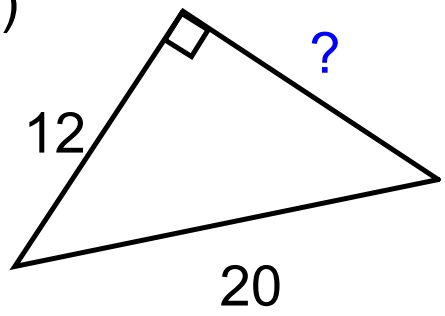
$c^2 = a^2 + b^2$ OR $a^2 = c^2 - b^2$

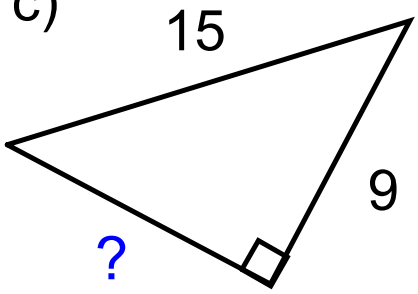
a)



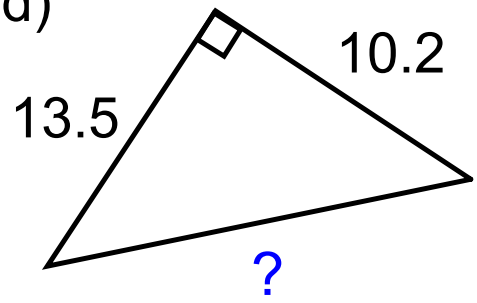
b)



c)

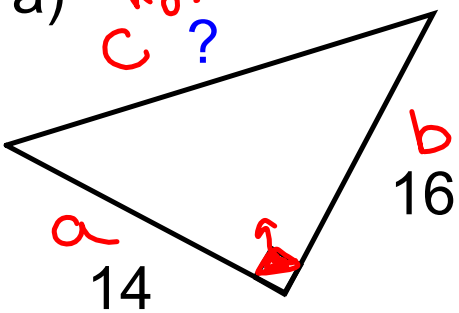


d)



$c^2 = a^2 + b^2$ OR $a^2 = c^2 - b^2$

a)



$c^2 = a^2 + b^2$

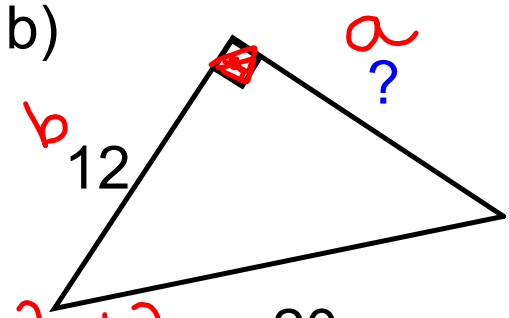
$c^2 = 14^2 + 16^2$

$c^2 = 196 + 256$

$\sqrt{c^2} = \sqrt{452}$

$c = 21.3$

b)



$a^2 = c^2 - b^2$

$a^2 = 20^2 - 12^2$ hyp c

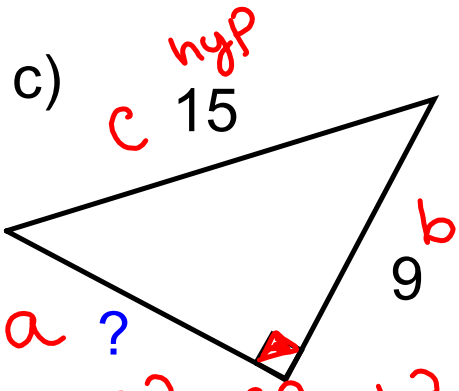
$a^2 = 400 - 144$

$\sqrt{a^2} = \sqrt{256}$

$a = 16$

$c^2 = a^2 + b^2$ **OR** $a^2 = c^2 - b^2$

c)



$a^2 = c^2 - b^2$

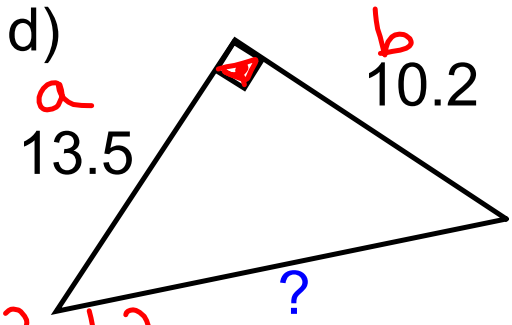
$a^2 = 15^2 - 9^2$

$a^2 = 225 - 81$

$\sqrt{a^2} = \sqrt{144}$

$a = 12$

d)



$c^2 = a^2 + b^2$

$c^2 = 13.5^2 + 10.2^2$ (hyp c)

$c^2 = 182.25 + 104.04$

$\sqrt{c^2} = \sqrt{286.29}$

$c = 16.9$