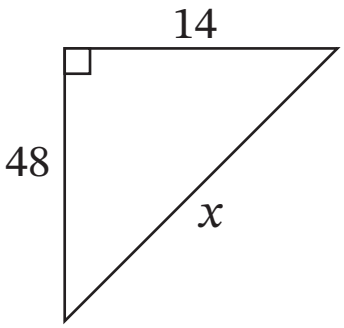
Pythagorean Theorem - Basic

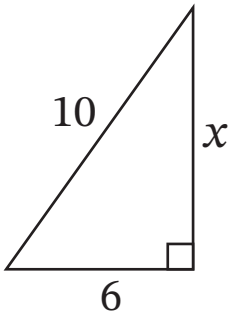
ANSWER KEY

#1



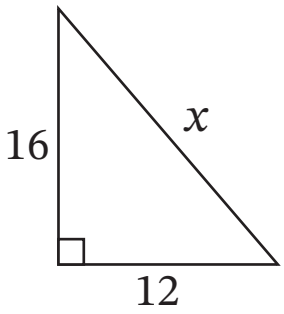
Answer: $x = 50$

#2



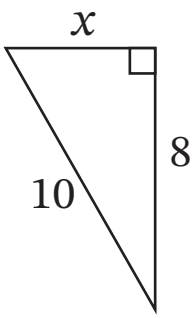
Answer: $x = 8$

#3



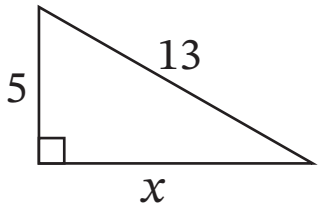
Answer: $x = 20$

#4



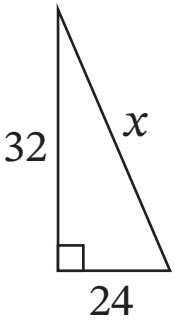
Answer: $x = 6$

#5



Answer: $x = 12$

#6



Answer: $x = 40$

7. $a =$ 12 ; $b = 35$; $c =$ 37

8. $a = 7$; $b =$ 24 ; $c = 25$

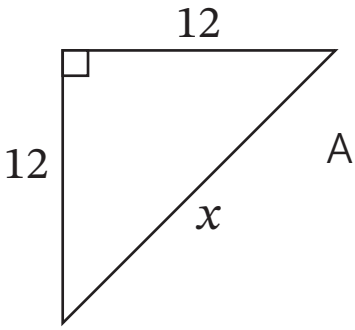
9. $a = 12$; $b = 16$; $c =$ 20

10. $a =$ 10 ; $b = 24$; $c = 26$

Pythagorean Theorem - Advanced

ANSWER KEY

#1

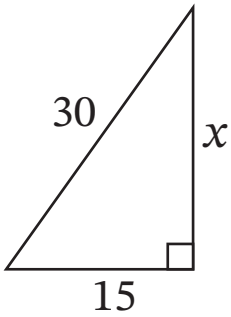


Answer: $x = \sqrt{288}$

$x = 12\sqrt{2}$

$x \approx 16.97$

#2

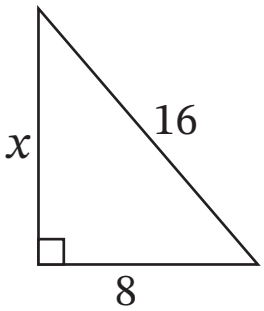


Answer: $x = \sqrt{675}$

$x = 15\sqrt{3}$

$x \approx 25.98$

#3

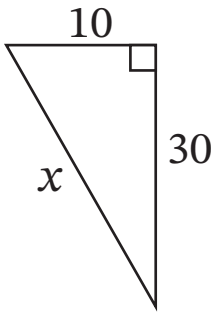


Answer: $x = \sqrt{192}$

$x = 8\sqrt{3}$

$x \approx 13.86$

#4

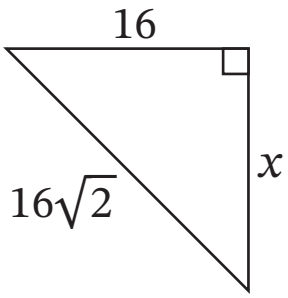


Answer: $x = \sqrt{1{,}000}$

$x = 10\sqrt{10}$

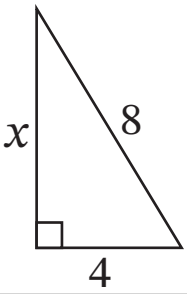
$x \approx 31.62$

#5



Answer: $x = 16$

#6



Answer: $x = \sqrt{48}$

$x = 4\sqrt{3}$

$x \approx 6.93$

7. $a = 13$; $b =$ 13 ; $c = 13\sqrt{2}$

8. $a = 7$; $b =$ $7\sqrt{3}$; $c = 14$

9. $a = 6$; $b = 8$; $c =$ 10

10. $a =$ 8 ; $b = 8\sqrt{3}$; $c = 16$