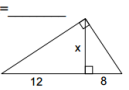
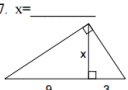

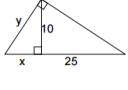




Solve for the missing variable.

6. $x =$  $x =$ 

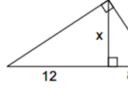
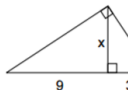
8. $x =$ $y =$ 

9. $x =$ $y =$ 

10. $x =$ $y =$ 

11. $x =$ 

Jan 7-11:04 AM


6. $x =$  $x =$ 

$x^2 = 12 \cdot 8$
 $x^2 = 96$
 $x = \sqrt{96} = 9.8$

$x^2 = 9 \cdot 3$
 $x^2 = 27$
 $x = \sqrt{27} = 3\sqrt{3}$

$\sqrt{96} = 2 \cdot 2 \cdot 2 \cdot 3 \cdot 2$
 $\sqrt{96} = 4\sqrt{6}$

Jan 7-11:31 AM


8. $x =$ $y =$ 

$\frac{x}{4} = \frac{10}{x}$

$x^2 = 4(6+4)$
 $x^2 = 40$
 $x = \sqrt{40}$
 $x = 2\sqrt{10}$

$y^2 = 6(6+4)$
 $y^2 = 60$
 $y = \sqrt{60} = 2\sqrt{15}$

Jan 7-11:31 AM


9. $x =$ $y =$ 

$y^2 = 4(29)$
 $y^2 = 116$
 Geometric Mean

$10^2 = 25x$
 $\frac{100}{25} = \frac{25x}{25}$
 $4 = x$

$\sqrt{10^2 + 4^2}$ Pythagorean
 $\sqrt{116}$
 $2\sqrt{29}$

Jan 7-11:31 AM


10. $x =$ $y =$ 

$x^2 = 28 \cdot 7$
 $x^2 = 196$
 $x = \sqrt{196}$
 $x = 14$

$\sqrt{4^2 + 28^2} = y$
 $\sqrt{16 + 784} = y$
 $y^2 = 28(35)$
 $y = 31.3$

$\sqrt{196}$

Jan 7-11:32 AM

11. $x =$ 

Jan 7-11:32 AM