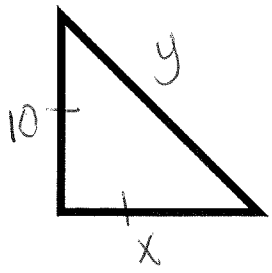
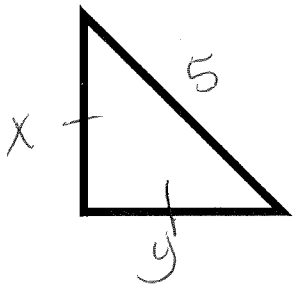
**Teacher Guide**

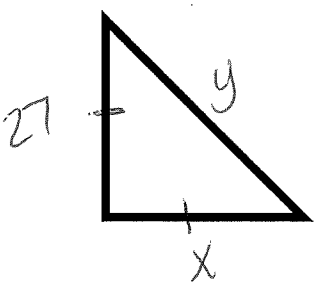



$x = 10$

$y = 10\sqrt{2}$

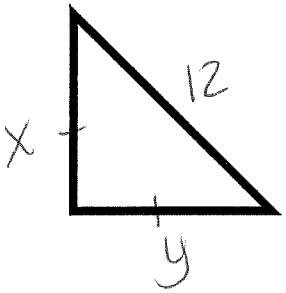



$x = y = \frac{5\sqrt{2}}{2}$

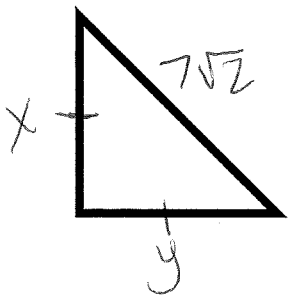



$x = 27$

$y = 27\sqrt{2}$

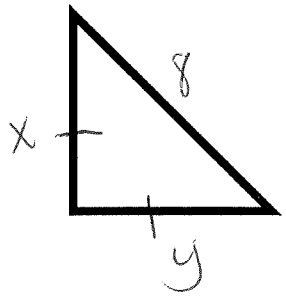



$x = y = 6\sqrt{2}$

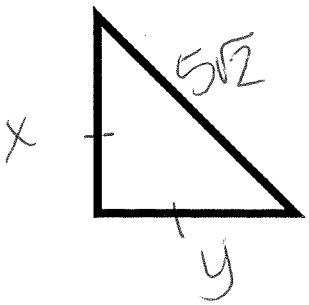



$x = 7$

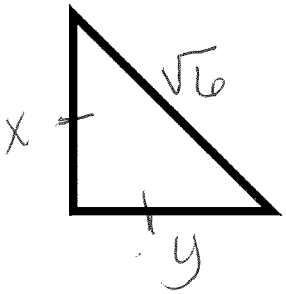
$y = 7$



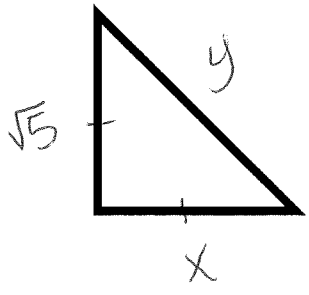

$x = y = 4\sqrt{2}$




$x = y = 5$

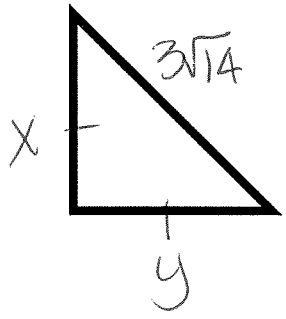



$x = y = \sqrt{3}$

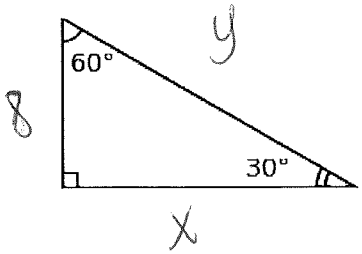



$x = \sqrt{5}$

$y = \sqrt{10}$

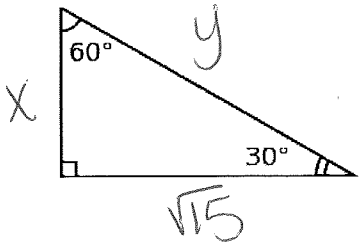



$x = y = 3\sqrt{7}$



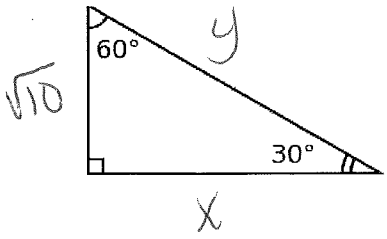

$x = 8\sqrt{3}$

$y = 16$



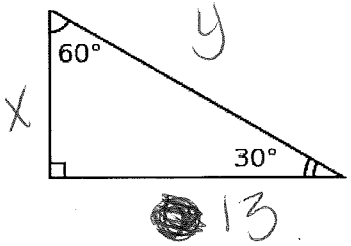

$x = \sqrt{5}$

$y = 2\sqrt{5}$



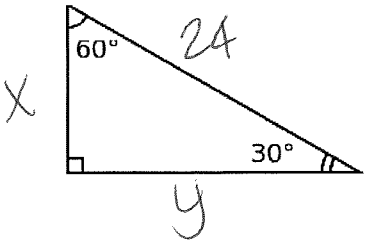

$x = \sqrt{30}$

$y = 2\sqrt{10}$



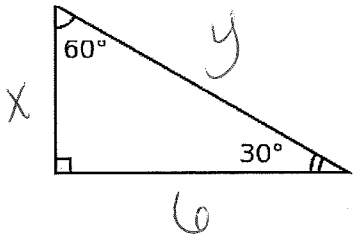

$x = \frac{13\sqrt{3}}{3}$

$y = \frac{26\sqrt{3}}{3}$



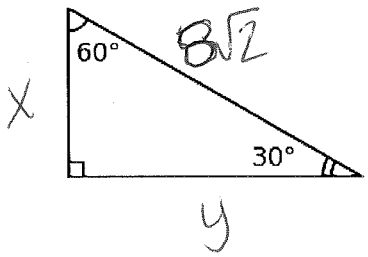

$x = 12$

$y = 12\sqrt{3}$



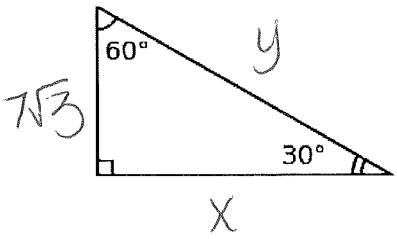

$x = 2\sqrt{3}$

$y = 4\sqrt{3}$



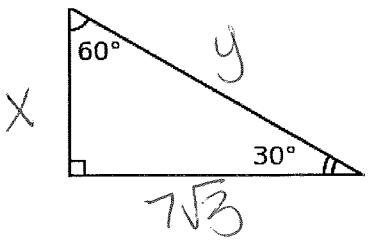

$x = 4\sqrt{2}$

$y = 4\sqrt{6}$



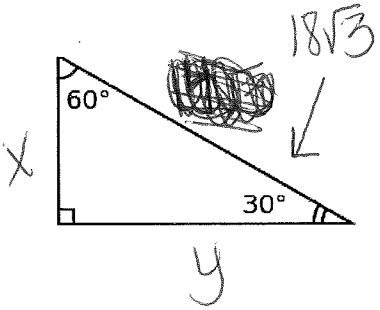

$x = 21$

$y = 14\sqrt{3}$




$x = 7$

$y = 14$




$x = 9\sqrt{3}$

$y = 27$