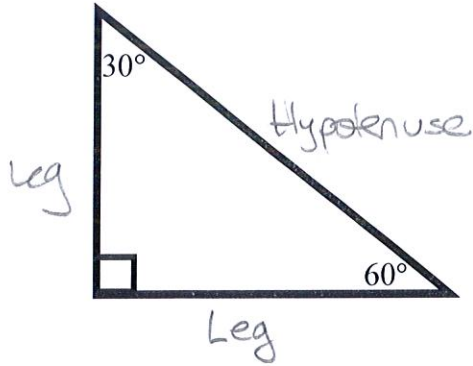
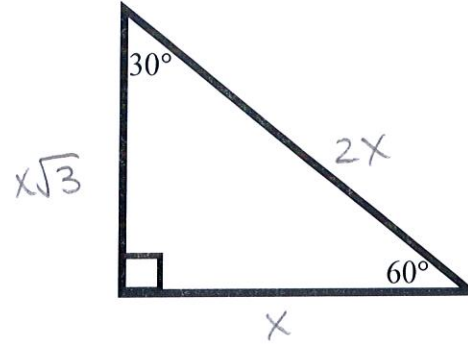


Special Right Triangles: 30° – 60° – 90°

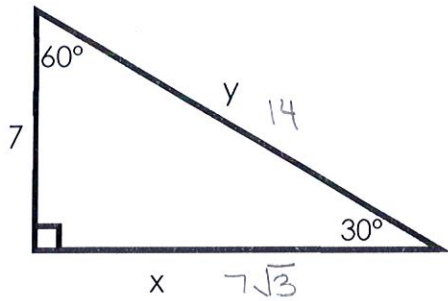
30°, 60°, 90° Triangle Vocabulary



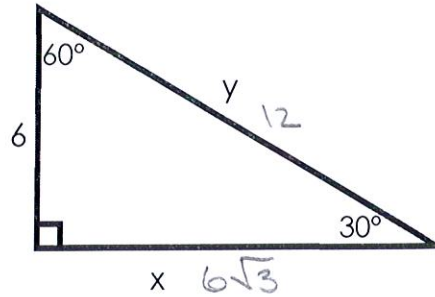
30°, 60°, 90° Triangle Ratio



1. $x = 7\sqrt{3}$, $y = 14$

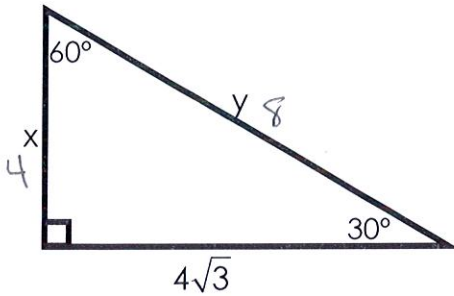


2. $x = 6\sqrt{3}$, $y = 12$

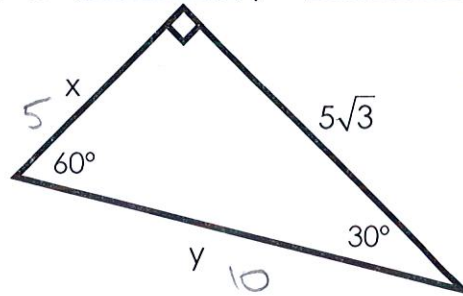


3. $x = 4$, $y = 8$

$\frac{4\sqrt{3}}{\sqrt{3}} = 4$

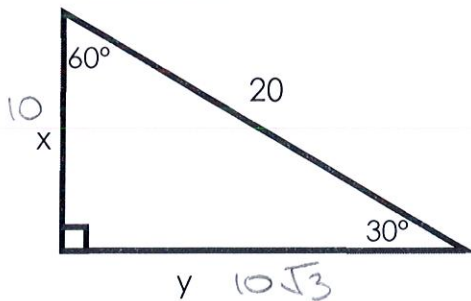


4. $x = 5$, $y = 10$

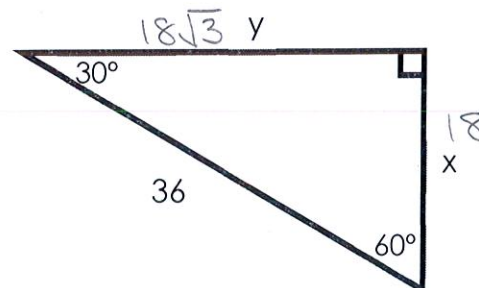


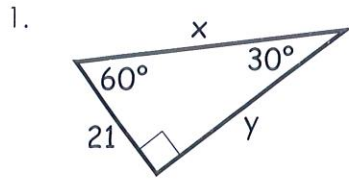
$\frac{5\sqrt{3}}{\sqrt{3}} = 5$

5. $x = 10$, $y = 10\sqrt{3}$

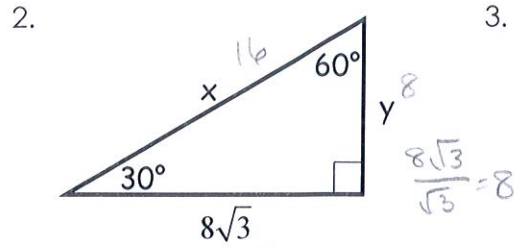


6. $x = 18$, $y = 18\sqrt{3}$

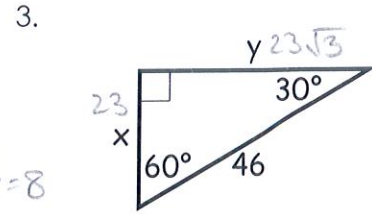




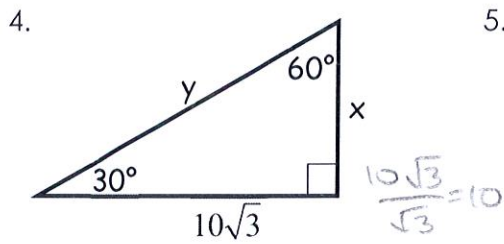
$x = 42$ $y = 21\sqrt{3}$



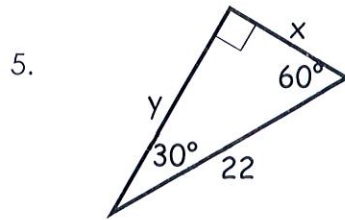
$x = 16$ $y = 8$



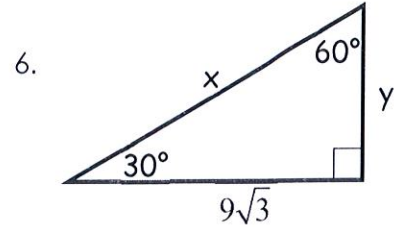
$x = 23$ $y = 23\sqrt{3}$



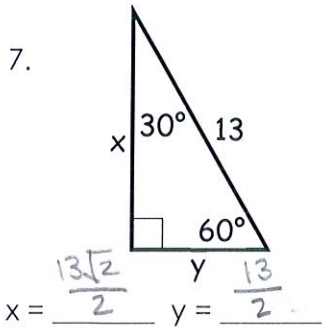
$x = 10$ $y = 20$



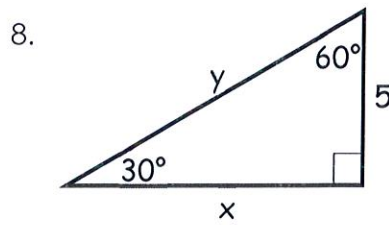
$x = 11$ $y = 11\sqrt{3}$



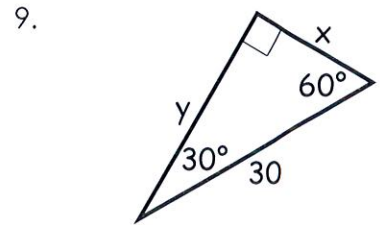
$x = 18$ $y = 9$



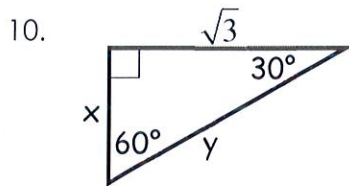
$x = \frac{13\sqrt{2}}{2}$ $y = \frac{13}{2}$



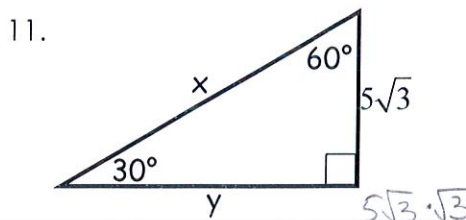
$x = 5\sqrt{3}$ $y = 10$



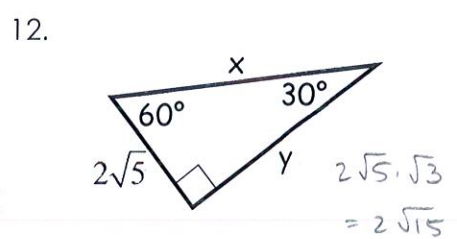
$x = 15$ $y = 15\sqrt{3}$



$x = 1$ $y = 2$



$x = 10\sqrt{3}$ $y = 15$



$x = 4\sqrt{5}$ $y = 2\sqrt{5}$