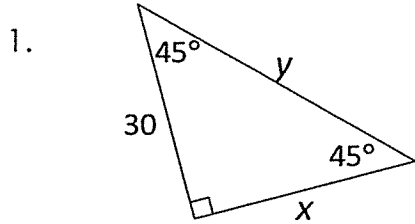


Chapter 8

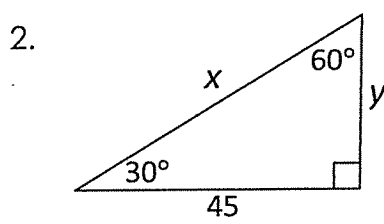
Practice Worksheet 1

(Use with section 8-3)

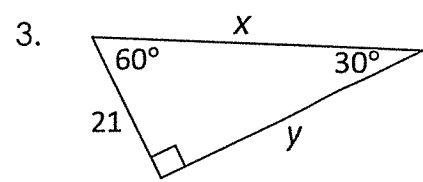
Find the values of x and y in each of the following triangles.



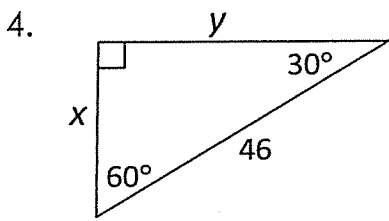
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



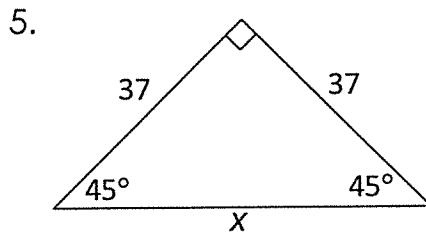
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



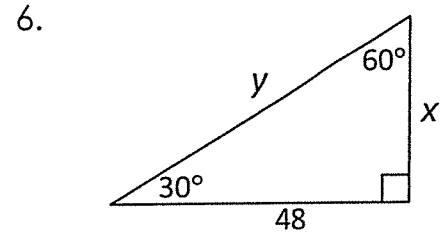
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



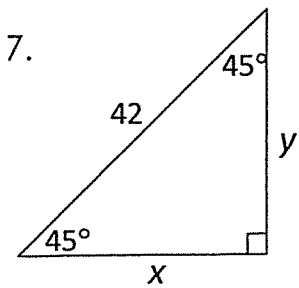
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



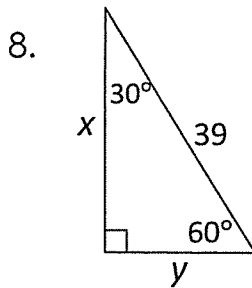
$x = \underline{\hspace{2cm}}$



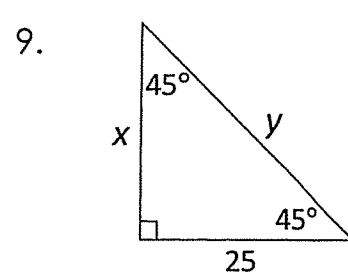
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



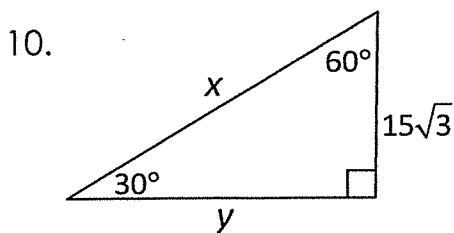
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



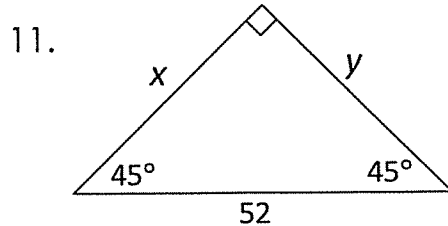
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



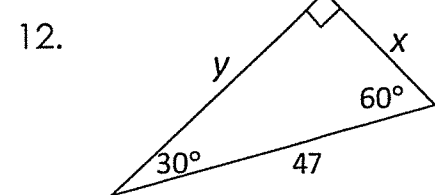
$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$



$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

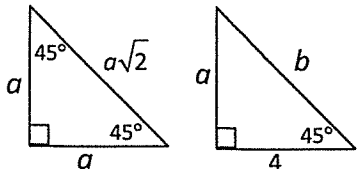
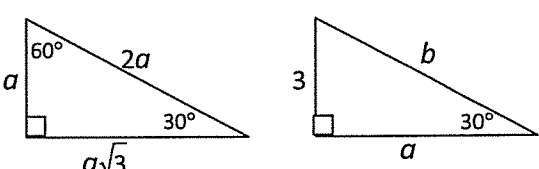


$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

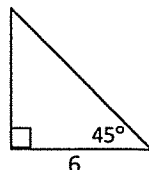
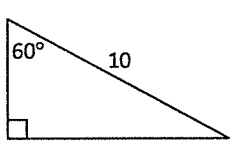
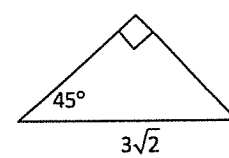
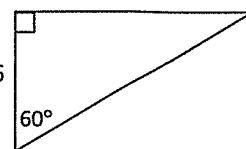
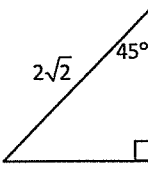
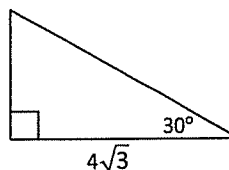
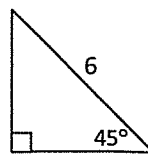
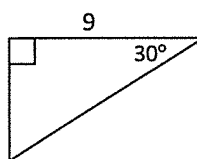
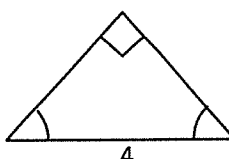
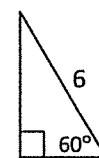
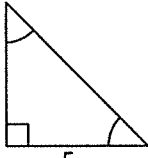
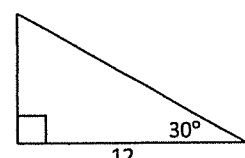


$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

Special Right Triangles

<p>Isosceles Right Triangle</p>  <p style="text-align: center;"> $a = 4$ $b = 4\sqrt{2}$ </p>	<p>30-60-90 Triangle</p>  <p style="text-align: center;"> $a = 3\sqrt{3}$ $b = 2 \cdot 3 = 6$ </p>
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Find the missing sides.

- | | | |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <p>1. </p> | <p>2. </p> | <p>3. </p> |
| <p>4. </p> | <p>5. </p> | <p>6. </p> |
| <p>7. </p> | <p>8. </p> | <p>9. </p> |
| <p>10. </p> | <p>11. </p> | <p>12. </p> |

Cross out the correct answers. The remaining letters (one per space) complete the statement.

5 EQ	9 HA	$6\sqrt{2}$ UA	3 LT	10 LF	$3\sqrt{2}$ OT	3 HE	$4\sqrt{3}$ SQ	$3\sqrt{2}$ UA	12 RE	$2\sqrt{2}$ RO
$6\sqrt{3}$ OT	$5\sqrt{3}$ OF	25 TH	$3\sqrt{3}$ ER	$6\sqrt{3}$ AD	5 IU	20 EH	3 SO	$3\sqrt{3}$ FT	36 YP	2 PY
11 OT	4 TH	16 EN	6 AG	8 OR	32 US	$5\sqrt{2}$ AS	2 TH	7 E.	$8\sqrt{3}$ T.	$2\sqrt{2}$ S.

In a 30-60-90 degrees right triangle, the side opposite the 30-degree angle is
