

Special Case Triangles Work

Sheet 50 pts

Name: _____

Special Triangles:

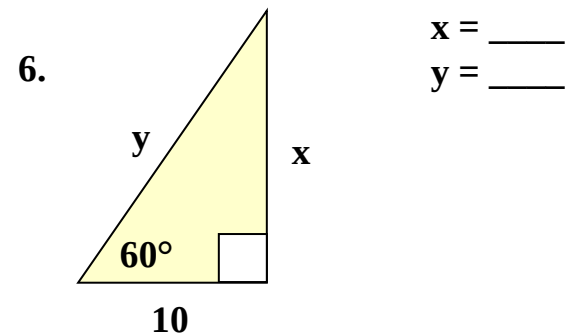
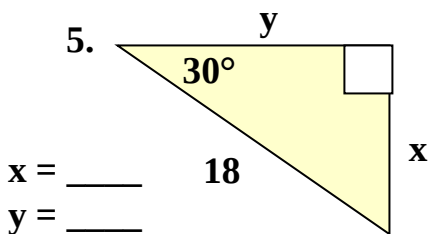
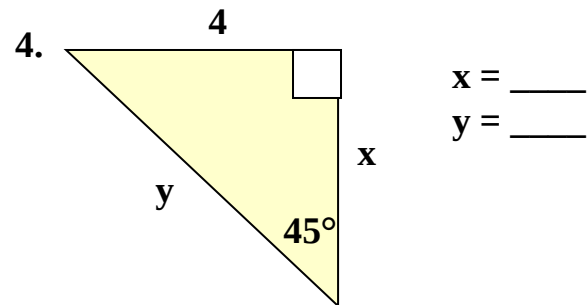
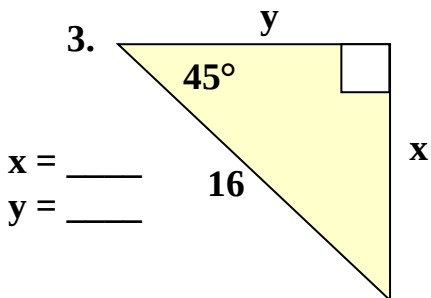
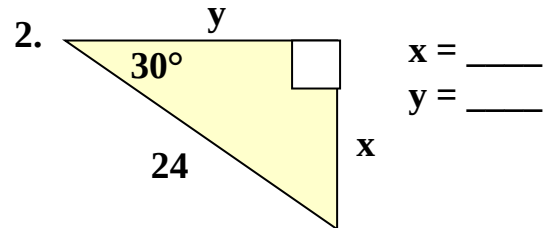
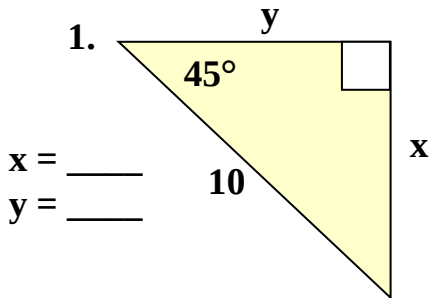
Two types of special triangles:

right isosceles and 30-60-90 triangles

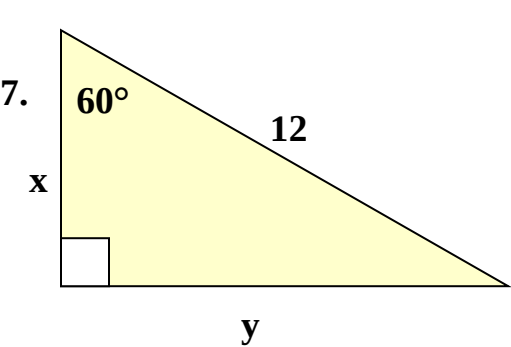
Both can be solved using other methods:

sometimes using Pythagorean Thrm
and always using Trig

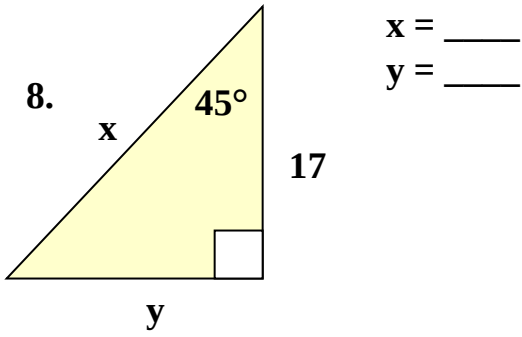
Angle	Side Opposite
30°	$\frac{1}{2}$ hypotenuse
45°	$\frac{1}{2}$ hypotenuse $\times \sqrt{2}$
60°	$\frac{1}{2}$ hypotenuse $\times \sqrt{3}$



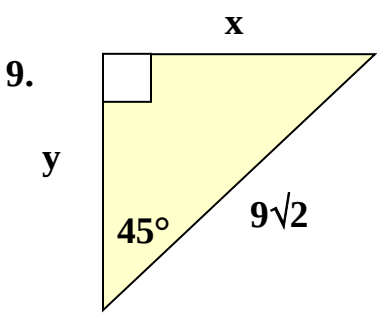
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30°	$\frac{1}{2}$ hypotenuse
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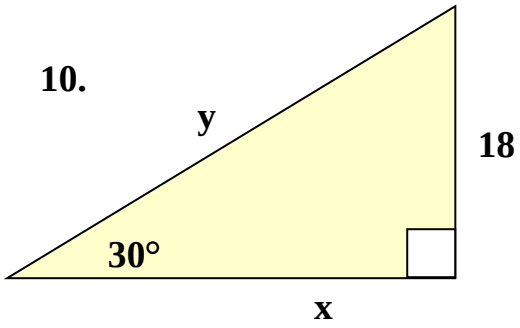
$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$



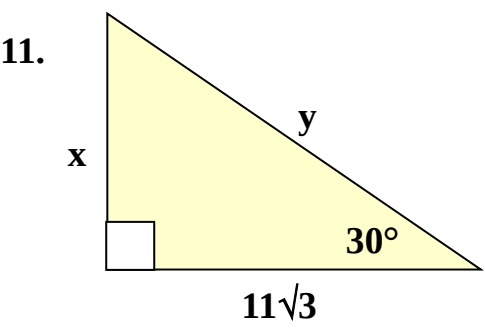
$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$



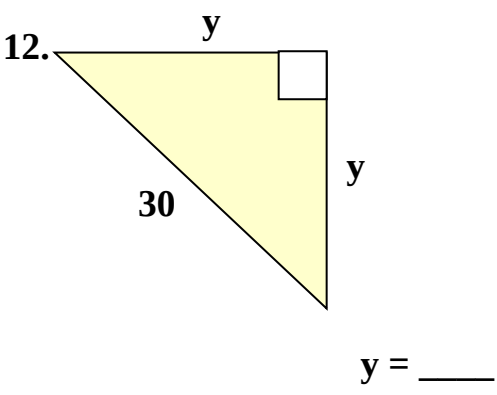
$x = \underline{\hspace{2cm}}$
 $y = \underline{\hspace{2cm}}$



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



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