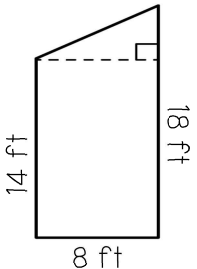
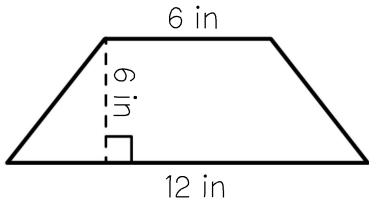
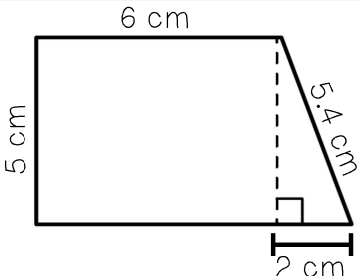
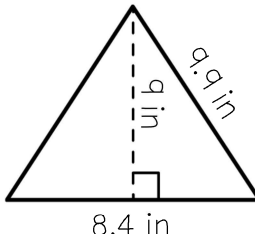
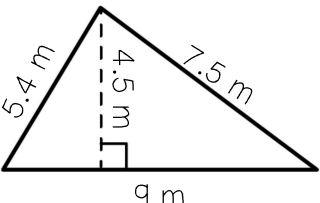
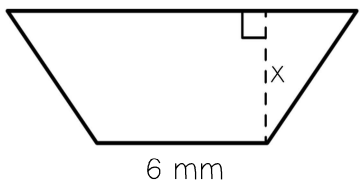


## AREA OF TRIANGLES AND TRAPEZOIDS

Match each correct answer to a letter and complete the riddle below. Not all choices will be used.

<p><b>1</b></p> <p>Find the area of a right triangle with a height of <math>8\frac{1}{2}</math> feet and a base of 15 feet.</p>	<p><b>5</b></p> <p>Find the area of the trapezoid at the right by decomposing it into familiar shapes.</p> 
<p><b>2</b></p> <p>What is the area of the trapezoid?</p> 	<p><b>6</b></p> <p>A triangle has an area of <math>42 \text{ cm}^2</math>. The height of the triangle is 14 centimeters. What is the length of the base of the triangle?</p>
<p><b>3</b></p> <p>Find the area of the trapezoid at the right.</p> 	<p><b>7</b></p> <p>What is the area of the triangle?</p> 
<p><b>4</b></p> <p>Find the area of the triangle below.</p> 	<p><b>8</b></p> <p>A trapezoid has an area of <math>35 \text{ mm}^2</math>. What is the height of the trapezoid?</p> 

L: 36	A: 5	F: 12.15	H: 56	R: 37.8	I: 127.5
S: 50.4	C: 12	U: 20.25	N: 35	P: 108	A: 128
R: 63.75	Q: 3	W: 35.4	E: 6	G: 54	T: 24

**WHAT DO GEOMETRY TEACHERS HAVE DECORATING THEIR FLOORS?**

5 3 8 1 6 8 7 4 2