

NAME _____ DATE _____ PER. _____

Trig Review

Find the correct answer to each of the following, and write the answer in the blank provided.

20 POINTS EACH

1. $\sin A =$ _____

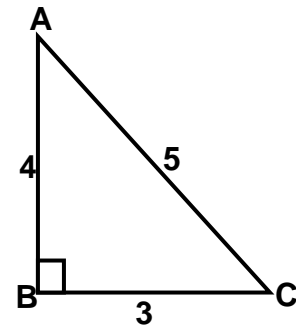
Express $\sin A$ as a ratio.

2. $\cos A =$ _____

Express $\cos A$ as a ratio.

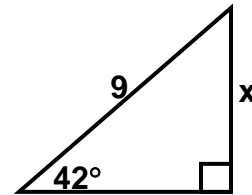
3. $\tan C =$ _____

Express $\tan C$ as a ratio.



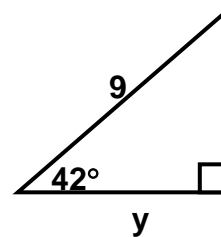
4. $x =$ _____

Find the value of 'x'.



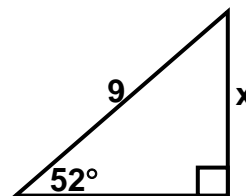
5. $y =$ _____

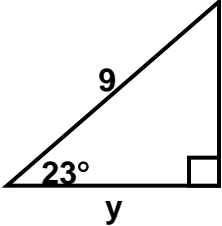
Find the value of 'y'.



_____ 6.

Find the value of 'x'.



<p>_____7.</p>	<p>Find the value of 'y'.</p> 
<p>_____8.</p>	<p>A helicopter is hovering over a landing pad 100 m from where you are standing. The helicopter's angle of elevation with the ground is 12°. What is the altitude of the helicopter?</p>
<p>_____9.</p>	<p>An airplane climbs at an angle of 18° with the ground. Find the ground distance the plane travels as it rises to an altitude of 2500 ft.</p>
<p>_____10.</p>	<p>A guy wire reaches from the top of a 120 ft television transmitter tower to the ground. The wire makes a 63° angle with the ground. Find the length of the guy wire.</p>
<p>_____11.</p>	<p>To secure a tailgating tent, a 64-inch cord is extended from the top of a vertical pole to the ground. If the cord makes a 60° angle with the ground, how tall is the pole?</p>
<p>_____12.</p>	<p>A tree's shadow is 4.8 m long on level ground. The angle of elevation from the tip of the shadow to the sun is 50°. Which is closest to the height of the tree?</p>

