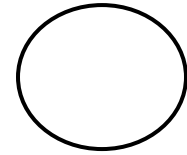


Name: _____ Per: _____



Trigonometry
 Week of _____ Openers
SHOW ALL WORK FOR FULL CREDIT

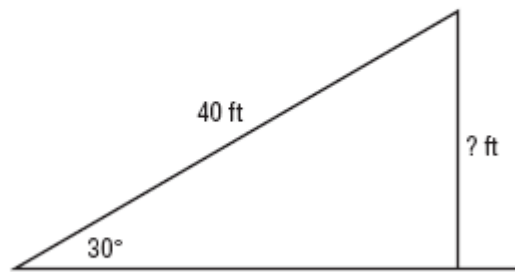
Date	Opener	Answers
	<p>Determine the missing sides</p>	
	<p>3. AMUSEMENT PARKS A rollercoaster has a drop of 60 feet at a 30° angle. How high must the support beam be at the beginning of the fall to hold up this coaster?</p>	

Date

Opener

Answers

2. **ESCALATORS** A 40-foot-long escalator rises from the first floor to the second floor of a shopping mall. The escalator makes a 30° angle with the horizontal.



How high above the first floor is the second floor?

What is the perimeter of square with a hypotenuse of 20?

What is the name of the side opposite the 60 degree angle in a 30-60-90 triangle?