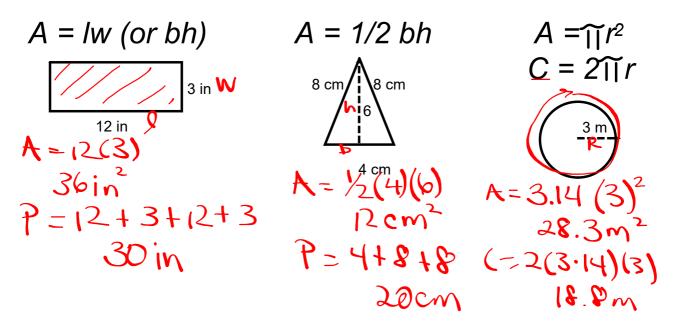
Warm up:

back p 2

Determine whether the given measurements are that of a right triangle.

10 cm, 15 cm, 20 cm $a^2+b^2=c^2$ $10^2+15^2=20^2$ ND $100+225\neq400$ 7 in, 24 in, 25 in $7^2+24^2=25^2$

Given the formulas determine area and perimeter/circumference of the given shapes.

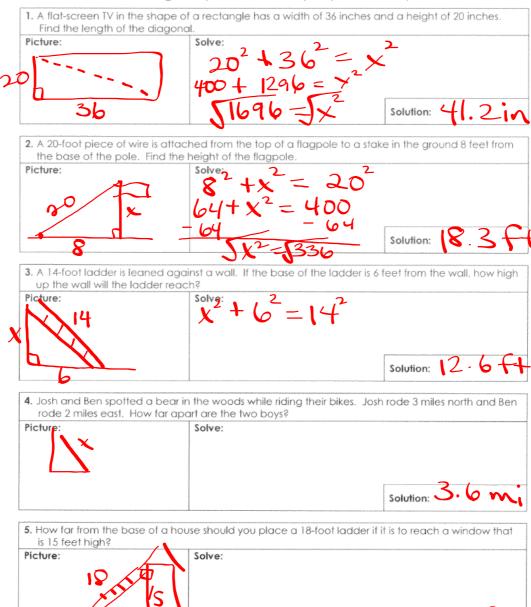


homework Pythagorean Theorem Mazel **Directions:** Find each missing side. Round all answers to the nearest tenth. Use your solutions to navigate through the maze. **Staple all work to this paper!** 17.3 8.9 17.5 15 29.5 28.3 16.7 14.9 11.3 13.1 Stert! End! 17.6 30.5 47.4 39 20.5 12.6 7.6 7.1 28.1 8.2 9.4 23 \Box_{10} 18 27.6 12 28.4 15 22 29.3 11.4 31.4 26.4 30.5 26.5 5.7 30.9 28.2 44.1 12 29

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THE PYTHAGOREAN THEOREM Word Problems

Many real world problems can be modeled and solved using the Pythagorean Theorem. When solving these problems, it is always helpful to draw a picture!



Solution:

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nomework		
6. In isosceles liangle has legs that measure 10 feet. If the height of the triangle is 7 feet, find the length of its base.		
Picture:	Solve:	
		Solution:
A football field is 120 yards long the opposite corner, how far w	g by 53 yards wide. If a player runs diago ill they travel?	onally from one corner to
Picture:	Solve:	
		Solution:
 On a map, Norristown is 18 miles south of Lincoln, and Lincoln is 29 miles west of Allenport. Find the distance from Norristown to Allenport. 		
Picture:	Solve:	
		Solution:
9. A set of stairs is 10 feet tall and covers a horizontal distance of 12 feet. If a handrail is to be installed that extends the entire length of the stairs, what length must it be?		
Picture:	Solve:	
		Solution:
10. Cara is flying a kite at the park using a string that is 42 meters long. She notices that the kite is directly above her friend Leah. If Cara and Leah are standing 36 meters apart, how high is the kite?		
Picture:	Solve:	
		Solution;
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Complete the group practice SOL in Google Classroom

18,19,20,21,22,27.28