Math 2

Unit 5 Day 1 Notes - Pythagorean Theorem Review

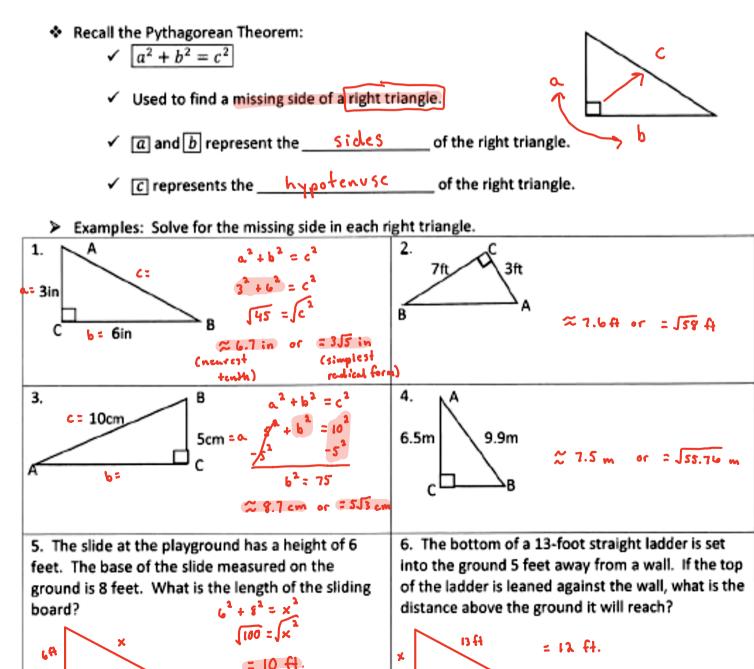
Name:_	Key	
Date:		

≻	Review:	Simplify	each radical	
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1.	$\sqrt{49}$	<ol> <li>√121</li> </ol>	<ol> <li>√20</li> </ol>	<ol> <li>√24</li> </ol>
	= 7	z (1	= 25	= 256
5.	$\sqrt{50}$	<ol> <li>6. 3√40</li> </ol>	7. $-2\sqrt{300}$	<ol> <li>8. 12√50</li> </ol>
	= 5/2	= 3 • 2 / 10	=-2-105	= 12 .5 Ja
	• • •	= 6 Jio	= -2053	= 60 J2

Solving Right Triangles for Missing Sides

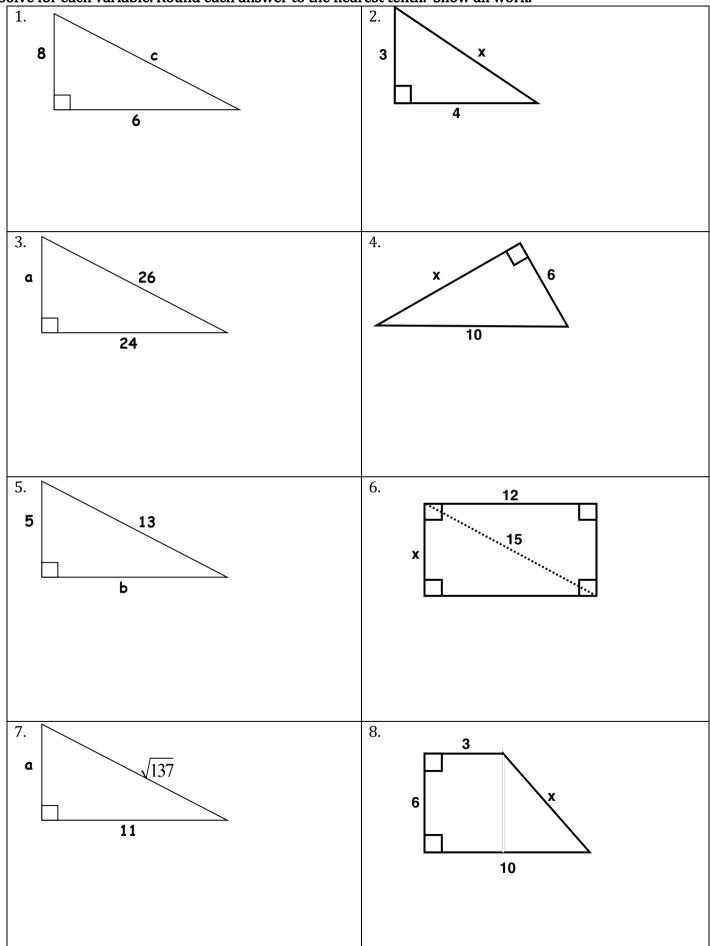
8 ft.



564

Unit 5 Day 1 CW

Solve for each variable. Round each answer to the nearest tenth. Show all work.



$9. \underbrace{6}_{6}_{7}_{7}_{7}_{6}_{6}_{7}_{7}_{7}_{7}_{7}_{7}_{7}_{7}_{7}_{7$	10. Find the length of the diagonal of a square whose side length is 10 inches
11. The length of one of the legs in a right triangle is 4 inches. If the hypotenuse is 12 inches long, what is the length of the other leg?	12. The diagonal crossbar of an old wooden gate has rusted. The gate is rectangular, 3 feet by 4 feet. How long is the crossbar (diagonal)?
13. Find the length of a diagonal of a square enclosure with a perimeter of 16 feet.	14. What is the diagonal measurement of the TV screen shown in the figure below?