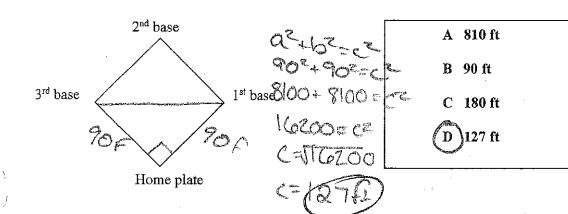
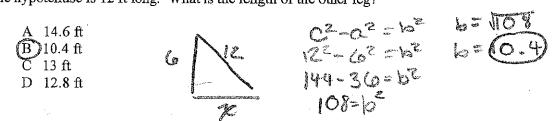
Pythagorean Theorem - sample MC

Name: Ocean

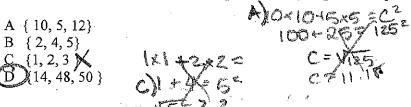
2. A baseball diamond is a square with a side length of 90 feet. To the nearest foot, what is the distance between first base and third base?



3. A flower garden is in the shape of a right triangle. One leg of the triangle is 6 ft long and the hypotenuse is 12 ft long. What is the length of the other leg?



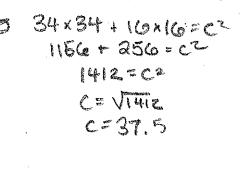
4. Which of the following sets of numbers represents a Pythagorean Triple?



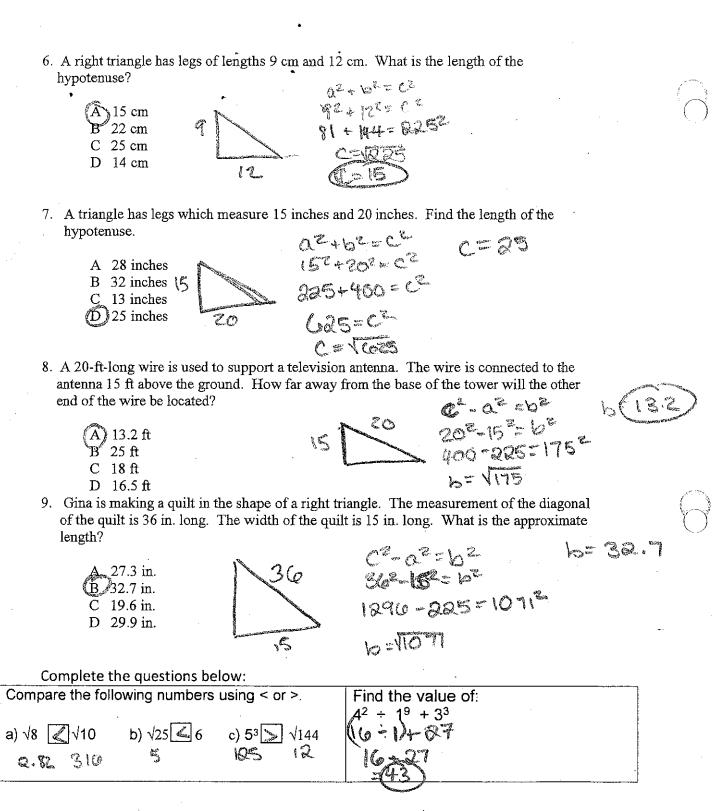
10) 2x2+4x4=c° 4+10=c° C=4.5? C=4.5? 14x14+48x48=c° 196+2604=c°

5. Which of the following sets of numbers does NOT represent a Pythagorean Triple?

	{34, 16, 30}
В	{10, 24, 26}
(C)	{19, 21, 23}
Ď	$\{5, 12, 13\}$
	-



1414+51×51=0	
301+441=02	
802 = c ²	
n = 15577	



 $a^{2} \cdot b^{2}$ $a \cdot 5 + 4^{2} = c^{2}$ $a \cdot 5 + 4^{2} = c^{2}$

Height of triangle 4cm

Toblerone comes in an iconic

triangular prism package. How many square cm of paper is required to wrap up a Toblerone bar?

=10x2x3 25 42+2.52=C2 the

4. 22.25=C= (of

C702.25) or C=4.7 tr 79.9x2-6/2 there quotes

= 159.0

area of a sides

5x17=85)

tanting

If the packaging costs the company two cents per cm2 how much does it cost to wrap up one Toblerone bar?

265 cm of ptg.

12 ª/on=

100 & in a dollar

il il was 18/cme il would be 2.65\$ per ptg.

2.65 × 2 b/c ilo 24/cm²

i. il coss the company 5.30\$ to Package

The company estimates the cost to make a Toblerone bar is 2 cents per cubic centimeter. How much does it cost the company to make one Toblerone bar?

TO <2 = 340

AA = bxh=2 = 5x17x4+2 = 35x4+2

= 35×4+2 = 340+2

Company 3.40\$
to make one

= 170 ans of chocolate for box

Vac-

You have been saving your Toblerone bar all week. When you go to eat it, you see that your sister ate half of it. What volume of delicious chocolate is left for you to eat?

340 cm3=2= V. left

i. you have 170 cm? of Chocolate