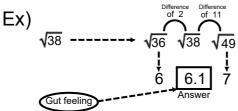
## #5 WORK OF THE WEEK (Gr 8)

Due Thurs., May 14th

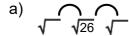
I) Calculate the approximate sq. root without a calculator:

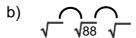


Notice that 38 is much closer to 36 than to 49,so the answer must be much closer to 6 than to 7. This can be checked with a calculator.

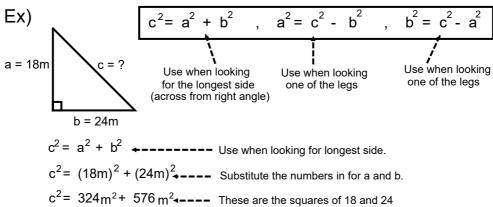
★ Think of the perfect squares both above and below 38. Here is a list of a few perfect square (PS):

# x # = PS 1 x1 = 1 2 x 2 = 4 3 x 3 = 9 4 x 4 = 16 5 x 5 = 25 6 x 6 = 36 7 x 7 = 49 8 x 8 = 64	As you can see, 38 is in between 36 and 49. So those PS go under each square root. And the answer must be between 6 & 7
--	--

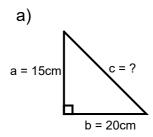


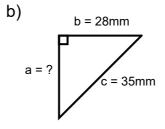


II) Solve for the unknown side using the Pythagorean Theorem

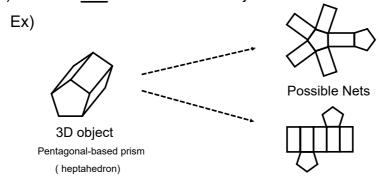


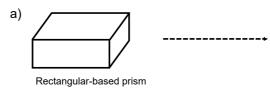
 $\sqrt{c^2} = \sqrt{900 \, \text{m}^2}$   $\leftarrow$  This is the sum of the squares, then take the sq. root of both sides.  $c = 30 \, \text{m}$   $\leftarrow$  Circle the final answer and include units.



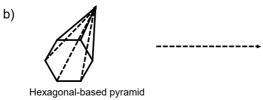


## III) Create one net for each 3D object:





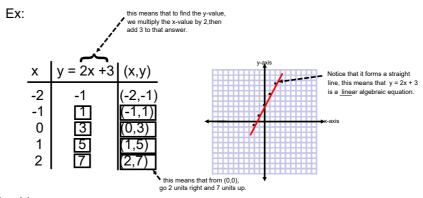
( hexahedron) A possible net



( heptahedron) A possible net



## IV) Complete filling in the table, then plot the points on the Cartesian plane



Try this one:

110 01101				
	Х	y = 3x + 4	(x,y)	
	-2	-2	(-2,-2)	
	-1			
	0			
	1			
	2			
	2	І Ш		

