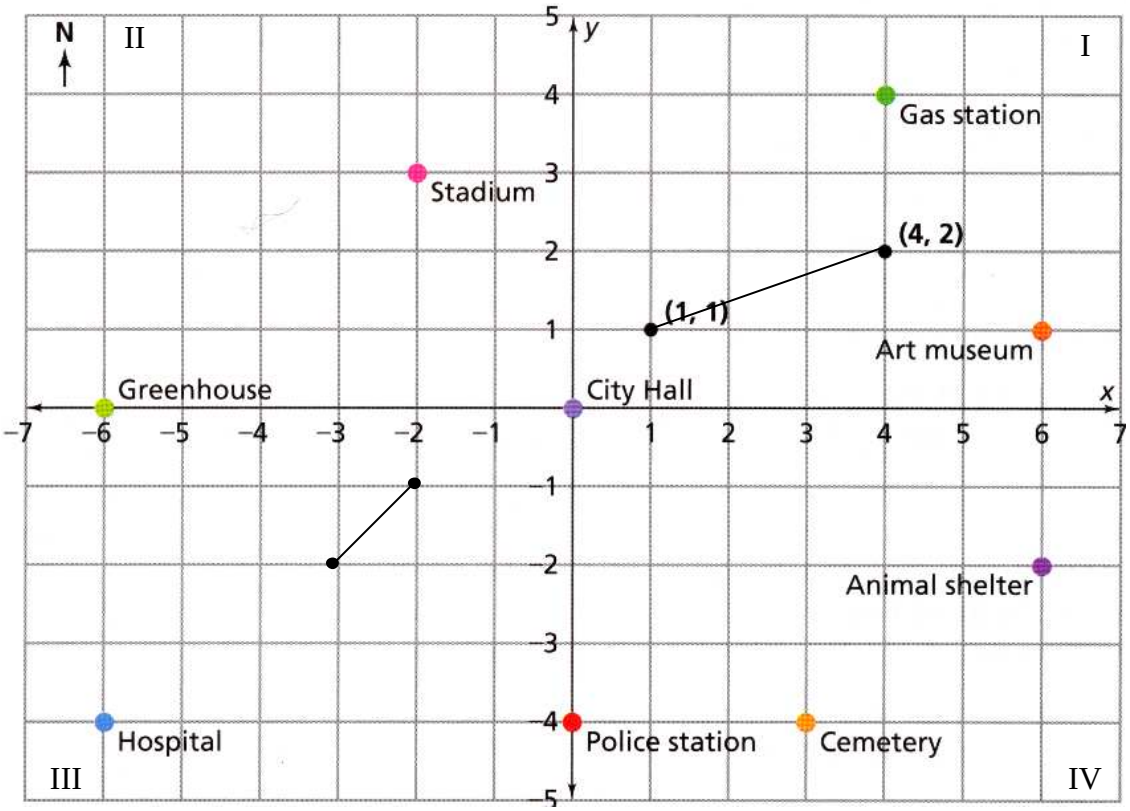
Name_____ Date_____ Hr.____ **Pythagorus 1.2**

How could you draw a square that has a side that goes from (1, 1) to (4, 2)? It would have to be a slanty square, right? Make one.

Try to draw a little square park that has a side from (-2, -1) to (-3, -2).

The town of Euclid mounted emergency radio towers on the Art Museum, City Hall, Police Station and Hospital buildings. The most powerful tower on top of City hall can send a signal **7** blocks. Which ones of the following would the City Hall tower reach?

The Euclid City Council is developing parks with geometric shapes. For some of the parks, the council gives the park designers constraints. For example, Descartes Park must have a border with vertices (1, 1) and (4, 2).



Write the distance between City Hall and each location. You may use your grid-ruler.

	Distance from City Hall	Signal will reach? (Yes/No)
Greenhouse		
Stadium		
Gas Station		
Art Museum		
Animal Shelter		
Hospital		
Police Station		
Cemetery		

Look at the town map above. Write the coordinates in parentheses for each location. City Hall is at (0, 0), the "origin."

	Coordinates of location	Quadrant or axis of location
Greenhouse		
Stadium		
Gas Station		
Art Museum		
Animal Shelter		
Hospital		
Police Station		
Cemetery		