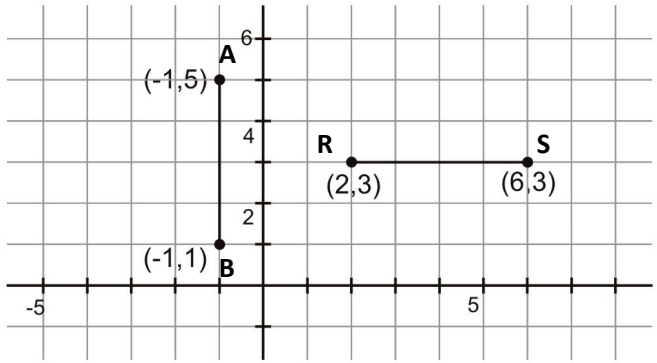
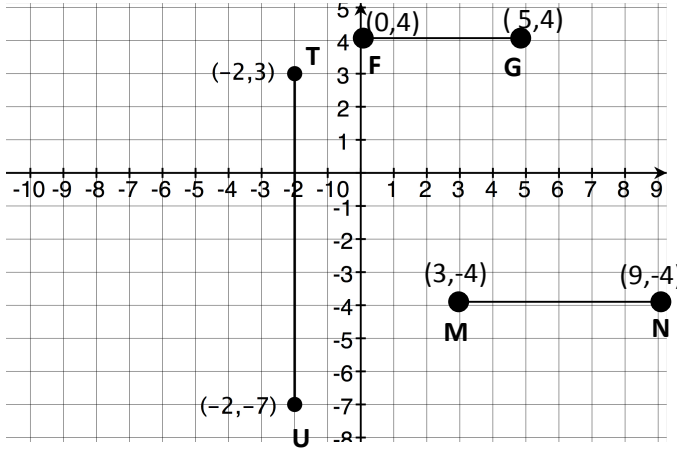
Find the length of each line segment. For each graph give an ordered pair to extend each of the line segments.




**$\overline{AB}$ ____Ordered pair_____ $\overline{RS}$_____ Ordered pair _____**




**$\overline{UT}$ ____Ordered Pair ____ $\overline{MN}$____ Ordered Pair ____ $\overline{FG}$ _____ Ordered Pair ____**

Find the length of each line segment **without** graphing.

(2, 5) (2, 11) _____

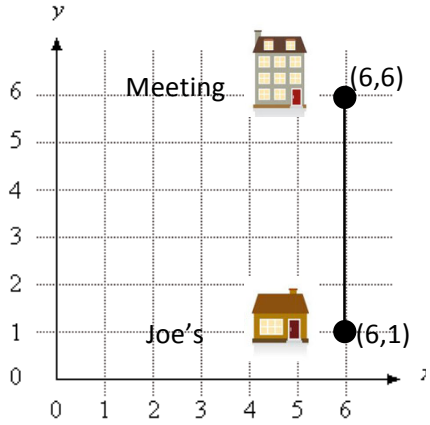
(-6, 2) (-6, 9) _____

(7, -5) (3, -5) _____

Joe took a taxi across town for a meeting. The coordinates are shown below. (Each unit on the grid = 1 city block.)

The taxi company Joe used charges $2 per city block of travel. The driver charged Joe $15 for the fare.

Was this a fair price for the fare? How do you know? Prove your answer with evidence.




What rules apply to finding the length of a line segment?

Look at the line segments and ordered pairs. What patterns do you notice?