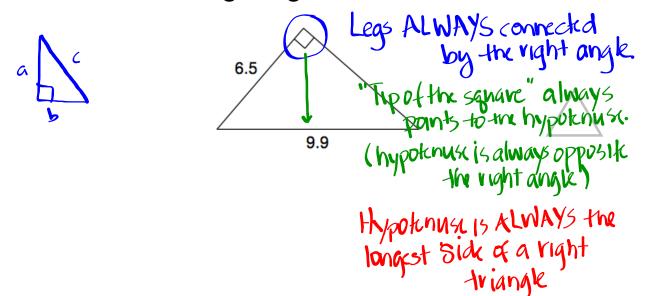
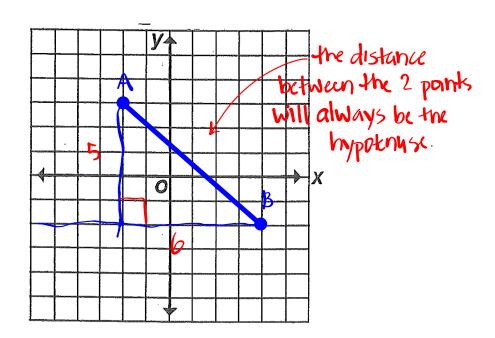
## Warm Up

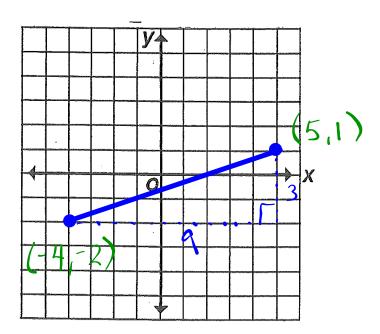
Find the missing length to the nearest tenth.

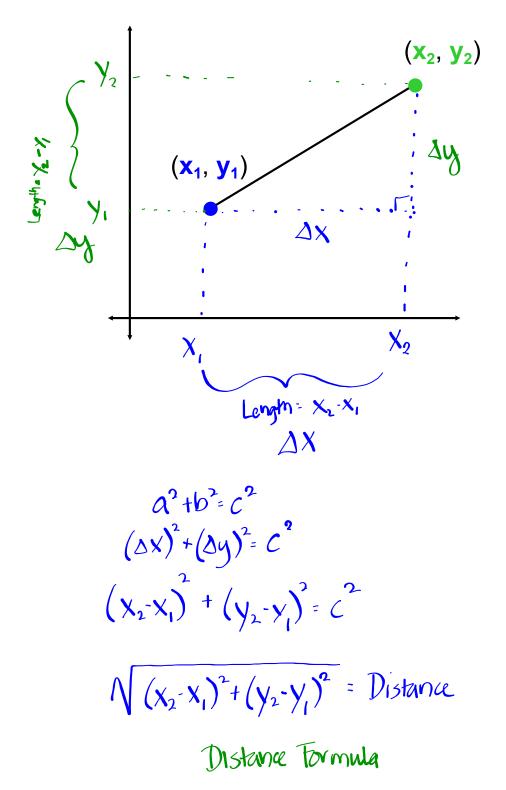


Hand in your Scavenger Hunt worksheet.

Using the Pythagorean Theorem, how can we find the distance between the two points below?







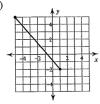
You don't need to memorize this because you know how to find distances just using the Pythagorean Theorem!

## The Distance Formula

Date\_\_\_\_\_\_ Period\_\_

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

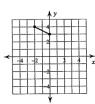
1



2



3)



4



5)



6



7) (-2, 3), (-7, -7)

9) (5, 9), (-7, -7)

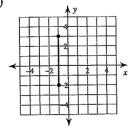
11) (-10, -7), (-8, 1)

#7 (-2,3)>-10

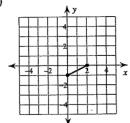
$$a^{2}+b^{2}+c^{2}$$
 $(-5)^{2}+(-10)^{2}=c^{2}$ 
 $a^{5}+100=c^{2}$ 
 $a^{5}=c^{2}$ 
 $a^{5}=c^{2}$ 

## Find the distance between each pair of points. Give exact distances, write answers in radical form.

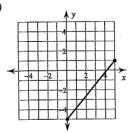
13)



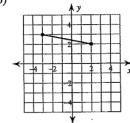
14)

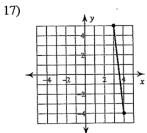


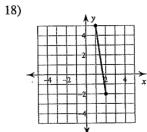
15)



16)







19) (0,-2), (-5,-1)

21) (3, 8), (9, 10)

## Homework

Finish Classwork