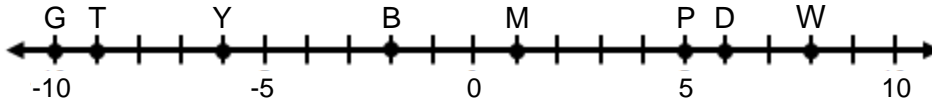


Name: _____

Distance: Number Line, Distance Formula, and Pythagorean Theorem

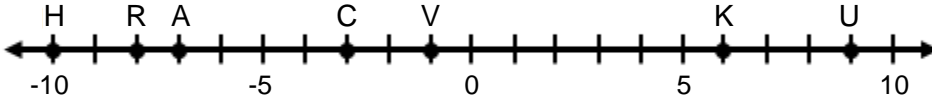
Use the number line to find the distance between the following points.



1. $YM = \underline{\hspace{2cm}}$

2. $BW = \underline{\hspace{2cm}}$

Find the distance between the following points.



3. $CK = \underline{\hspace{2cm}}$

4. $UR = \underline{\hspace{2cm}}$

Use the distance formula to find the distance between the following points. Round your answer to the nearest tenth.

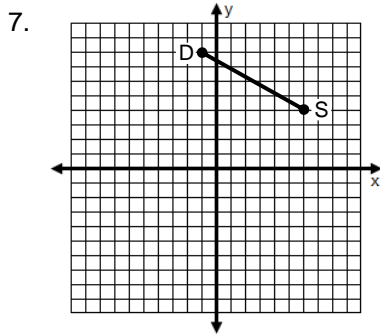
5. $A(2,5) B(4,4)$

6. $H(-6,3) J(-2,7)$

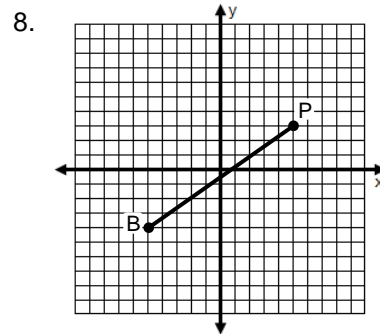
$AB = \underline{\hspace{2cm}}$

$HJ = \underline{\hspace{2cm}}$

Use the Pythagorean theorem to find the distance between the following points. Round your answer to the nearest tenth.



$DS = \underline{\hspace{2cm}}$



$BP = \underline{\hspace{2cm}}$

Use the distance formula or the Pythagorean theorem to find the distance between the following points.

9. $M(1,6) N(9,3)$

10. $S(-7,-4) T(0,-3)$

$MN = \underline{\hspace{2cm}}$

$ST = \underline{\hspace{2cm}}$