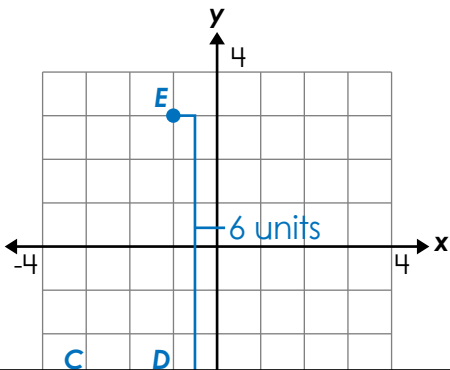


Name: _____

Distance on Coordinate Grids

When two points on a coordinate grid share an x- or y-coordinate, use simple subtraction or addition and absolute value to tell their distance apart. The operation you use depends on the quadrant(s) the points are in.



Same Quadrant

Their distance is the **difference** of the absolute values of their nonidentical coordinates. **Always subtract the smaller absolute value from the larger!*

example: Points C and D share the y-coordinate -3.
 $|-3| - |-1| = 2$ units

Different Quadrant

Their distance is the **sum** of the absolute values of their



Preview

Please log in to download the printable version of this worksheet.

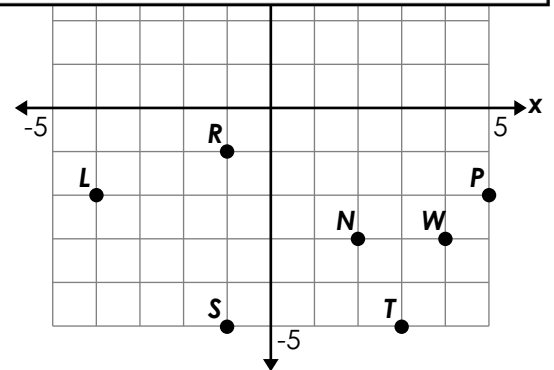
M _____ Q _____ _____ = _____

R _____ S _____ _____ = _____

P _____ L _____ _____ = _____

V _____ T _____ _____ = _____

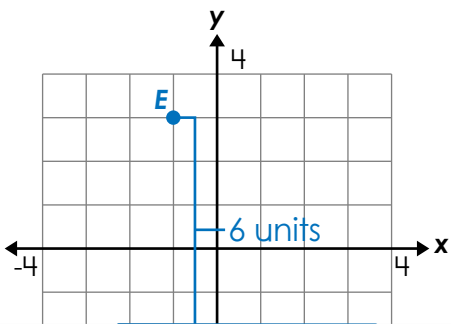
N _____ W _____ _____ = _____



ANSWER KEY

Distance on Coordinate Grids

When two points on a coordinate grid share an x- or y-coordinate, use simple subtraction or addition and absolute value to tell their distance apart. The operation you use depends on the quadrant(s) the points are in.



Same Quadrant

Their distance is the **difference** of the absolute values of their nonidentical coordinates. **Always subtract the smaller absolute value from the larger!*

example: Points C and D share the y-coordinate -3.
 $|-3| - |-1| = 2$ units

Different Quadrant

Preview

Please log in to download
the printable version of this worksheet.

