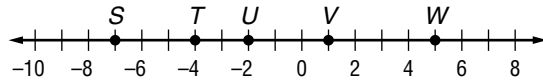


# 1-3 Practice

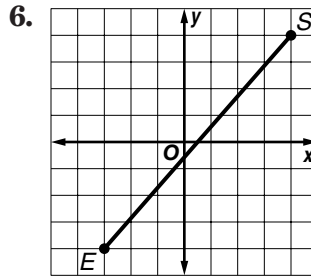
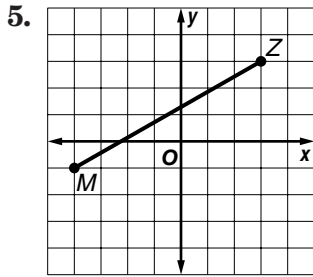
## Distance and Midpoints

Use the number line to find each measure.

1.  $VW$
2.  $TV$
3.  $ST$
4.  $SV$



Use the Pythagorean Theorem to find the distance between each pair of points.

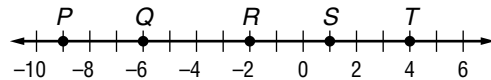


Use the Distance Formula to find the distance between each pair of points.

7.  $L(-7, 0), Y(5, 9)$
8.  $U(1, 3), B(4, 6)$

Use the number line to find the coordinate of the midpoint of each segment.

9.  $\overline{RT}$
10.  $\overline{QR}$
11.  $\overline{ST}$
12.  $\overline{PR}$



Find the coordinates of the midpoint of a segment having the given endpoints.

13.  $K(-9, 3), H(5, 7)$
14.  $W(-12, -7), T(-8, -4)$

Find the coordinates of the missing endpoint given that  $E$  is the midpoint of  $\overline{DF}$ .

15.  $F(5, 8), E(4, 3)$
16.  $F(2, 9), E(-1, 6)$
17.  $D(-3, -8), E(1, -2)$

18. **PERIMETER** The coordinates of the vertices of a quadrilateral are  $R(-1, 3), S(3, 3), T(5, -1),$  and  $U(-2, -1)$ . Find the perimeter of the quadrilateral. Round to the nearest tenth.