

**Lesson 1.4 Part 2: Midpoint**

Name: \_\_\_\_\_

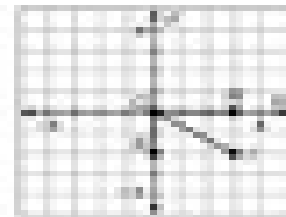
In 1 – 3 calculate the coordinates of the midpoint or the endpoint. Show all work!

1.  $\overline{PQ}$  with endpoints  $P = (5, -2)$  and  $Q = (2, -6)$

2.  $\overline{MN}$  with endpoints  $M = (-2, -6)$  and  $N = (2, y = 8)$

3.  $P$  is the midpoint of  $\overline{QR}$ .  $R = (2, -6)$  and  $P = (-1, 2)$ . Calculate the coordinates of  $Q$ .

In 4 – 6 use the figure to the right.



4.  $Q = (1, 1)$ ,  $R = (2, 1)$ . Calculate the midpoint of  $\overline{PQ}$ .

5.  $Q = (2, 1)$ ,  $S = (2, -1)$ . Calculate the midpoint of  $\overline{QS}$ .

6.  $Q = (1, 1)$ ,  $P = (0, 2)$ . Calculate the midpoint of  $\overline{QP}$ .