

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

## Midpoint Formula - Shapes

Sheet 4

- 1) Find the point of intersection of diagonals of the square whose vertices are  $(-2, 1)$ ,  $(2, 1)$ ,  $(2, -3)$  and  $(-2, -3)$ .

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- 2) The coordinates of the diameter of a semicircle are  $(-10, 8)$  and  $(-10, 10)$ . Find the center of the semicircle.

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- 3) Find the endpoints of \_\_\_\_\_ and  $(5, 1)$ .

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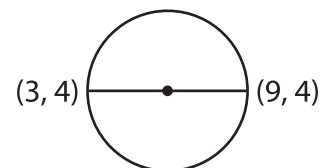
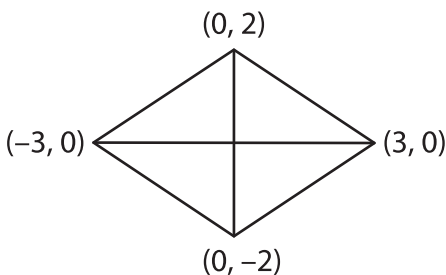
- 4) Find the point of intersection of the diagonals of a square whose vertices are  $(-9, -8)$ ,  $(3, -8)$ ,  $(3, -10)$  and  $(-9, -10)$ .

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- 5) Find the point of intersection of the diagonals of a square whose vertices are  $(-8, -2)$ ,  $(-5, -2)$ ,  $(-6, -5)$  and  $(-1, -5)$ .

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- 6) Find the point of intersection of the diagonals of a square whose vertices are  $(-3, 0)$ ,  $(3, 0)$ ,  $(0, 2)$  and  $(0, -2)$ .



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