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).

_____

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

_____

3) Find the endpoints of) and (5, 1).

_____

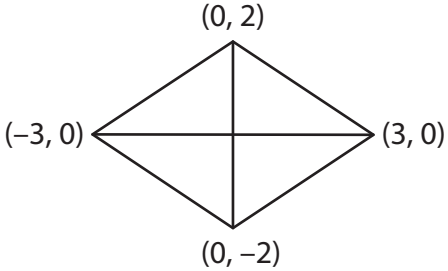
4) Find the point of inte are
(–9, –8), (3, –8), (3, –1

_____

5) Find the point of inte tices are
(–8, –2), (–5, –2), (–6,

_____

6) Find the point of inte a circle.



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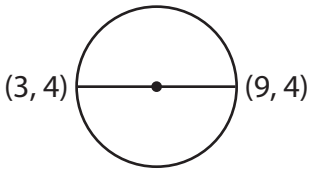


_____

Name : _____

Answer key

Sheet 4

Midpoint Formula - Shapes

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

The point of intersection is (0, –1).

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

The center of the se

3) Find the endpoints of) and (5, 1).

The endpoints of th

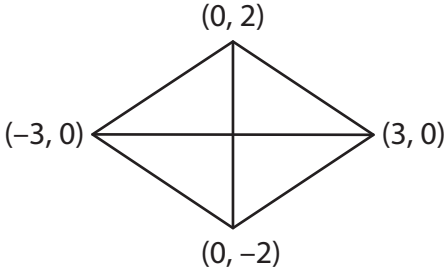
4) Find the point of inte are (–9, –8), (3, –8), (3, –1(

The point of interse

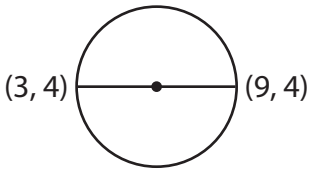
5) Find the point of inte tices are (–8, –2), (–5, –2), (–6,

The point of interse

6) Find the point of inte a circle.



(0, 0)



(6, 4)