1) Find the point of intersection of diagonals of the rhombus whose vertices are 
(6, –3), (8, –6), (6, –9) and (4, –6).

2) The coordinates of the diameter of a circle are (–7, 3) and (–3, 3). Find the center of the circle.

3) Find the point of intersection of diagonals of the parallelogram whose vertices are 
(–9, 9), (–10, 7), (–5, 7) and (–4, 9).

4) Find the endpoints of the median of the triangle whose vertices are 
(5, –4), (3, –8) and (7, –8).

5) Find the point of intersection of diagonals of the rectangle whose vertices are 
(–7, 2), (–3, 2), (–3, 8) and (–7, 8).

6) Find the center of a semicircle.

7) Find the point of intersection of the diagonals.

(-8, -5) to (-6, -5)
Midpoint Formula - Shapes

1) Find the point of intersection of diagonals of the rhombus whose vertices are (6, −3), (8, −6), (6, −9) and (4, −6).

The point of intersection is (6, −6).

2) The coordinates of the diameter of a circle are (−7, 3) and (−3, 3). Find the center of the circle.

The center of the circle is (−5, 3).

3) Find the point of intersection of diagonals of the parallelogram whose vertices are (−9, 9), (−10, 7), (−5, 7) and (−4, 9).

The point of intersection is (−7, 8).

4) Find the endpoints of the median of the triangle whose vertices are (5, −4), (3, −8) and (7, −8).

The endpoints of the median are (−8, −5) and (−6, −5).

5) Find the point of intersection of diagonals of the rectangle whose vertices are (−7, 2), (−3, 2), (−3, 8) and (−7, 8).

The point of intersection is (7, 7).

6) Find the center of a semicircle.

The point of intersection is (10, 10).

The point of intersection is (4, 4).

Score: ____________________