

Midpoint Formula - Shapes

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

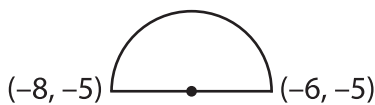
- 2) The coordinates of the diameter of a circle are $(-7, 3)$ and $(-3, 3)$. Find the center of the circle.

- 3) Find the point of intersection of diagonals of a rhombus whose vertices are $(-9, 9)$, $(-10, 7)$, $(-5, 7)$ and $(-4, 9)$.

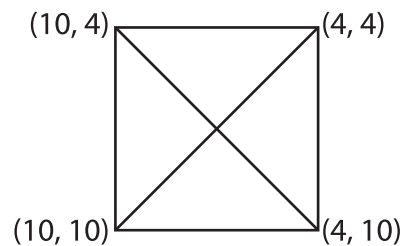
- 4) Find the endpoints of a diameter of a circle whose center is $(3, -8)$ and one endpoint is $(7, -8)$.

- 5) Find the point of intersection of diagonals of a square whose vertices are $(-7, 2)$, $(-3, 2)$, $(-3, 8)$ and $(-7, 8)$.

- 6) Find the center of a semicircle whose endpoints of the diameter are $(-8, -5)$ and $(-6, -5)$.



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



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