## Conic Sections CS1: Midpoint and Distance

What is the midpoint of the line segment between the two points:

1. (1,2) & (9,10)

2. (3, 1) & (-3, 7)

3. (2,2) & (6,-4)

4. (1,6) & (2,-1)

Find the distance between the two points:

5. (1,2) & (9,10)

6. (3,1) & (-3,7)

7. (2,2) & (6,-4)

8. (1,6) & (2,-1)

9. A circle has a diameter with endpoints (3, 9) and (1, 7). What is the center and radius of the circle?