

## Equation of the Perpendicular Bisector

For the following points A and B, find:

- a) the coordinates of the midpoint of AB
- b) the length of the line segment AB
- c) the equation of the line through A and B
- d) the equation of the perpendicular bisector of A and B.

1. A (1, 5) and B (3, 7)
2. A (-3, 4) and B (1, 8)
3. A (-2, -3) and B (4, 5)
4. A (-5, 5) and B (3, -1)
5. A (0, 0) and B (3, -7)