

| Point    |          | Distance of midpoint: |          | Midpoint<br>$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$ |
|----------|----------|-----------------------|----------|---------------------------------------------------------------------|
| <i>A</i> | <i>B</i> | Horizontal            | Vertical |                                                                     |
| (4 , 5)  | (2 , 1)  |                       |          |                                                                     |
| (-1, 5)  | (3 , 1)  |                       |          |                                                                     |
| (1 , 3)  | (7 , 1)  |                       |          |                                                                     |
| (3 , 4)  | (-5, -1) |                       |          |                                                                     |
| (1 , 2)  | (-5, 2)  |                       |          |                                                                     |