

For each of the following, find the distance and midpoint between each pair of points.

1. $(2, 8)$ and $(5, 4)$

2. $(3, -4)$ and $(-4, 7)$

3. $(2.6, 3.5)$ and $(7.6, -9.5)$

4. $(4\frac{1}{2}, -3\frac{2}{3})$ and $(7\frac{1}{2}, 4\frac{1}{3})$

5. $(2.9, -4.8)$ and $(3.25, 7.29)$

6. $(2\frac{2}{7}, -4\frac{2}{3})$ and $(5\frac{2}{7}, 3\frac{1}{4})$

7. $(-2.3, -7.8)$ and $(-5.2, -0.9)$

8. $(-5.6, 2.4)$ and $(-5.6, 3.7)$