

Name:

Show all your work in order to receive maximum credit. No work, no credit.

1. Find the midpoint between the points $(-1, 6)$ and $(8, -3)$. [4 points]

2. Find the distance between the points $(8, -7)$ and $(-1, 11)$. [5 points]

3. Solve each equation. If possible, find all of the complex solutions. [5 points each]

$$x^2 - 11x + 24 = 0$$

$$x^2 - 3x + 8 = 0$$

$$16x^2 - 12x = 0$$