

Name:

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

1. Find the midpoint between the points $(-2, 9)$ and $(6, -4)$. [4 points]

2. Find the distance between the points $(2, -5)$ and $(-4, 9)$. [5 points]

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

$$x^2 - 10x + 16 = 0$$

$$x^2 - x + 7 = 0$$

$$6x^2 - 18x = 0$$