

Name:

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

1. Find the midpoint between the points  $(-3, 5)$  and  $(7, -2)$ . [4 points]

2. Find the distance between the points  $(2, -3)$  and  $(-1, 12)$ . [5 points]

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

$$x^2 - 9x + 14 = 0$$

$$x^2 - 2x + 4 = 0$$

$$15x^2 - 10x = 0$$