10 Classwork 10 MAT 1275 Professor Chiu

Name: _____

1. Solve

$$(x-3)^{2} = 11$$

$$(x-3)^{2} = (\pm \sqrt{11})^{2}$$

$$($$

② Given
$$Ax^2+Bx+C=0$$

and solve for $x:$
Quadrature formula
 $X=-B^{\pm}B^2-4AC$
 ZA

$$3x^{2} + 3x - 7x = 6$$

$$3x^{2} - 4x = 6$$

$$-6 - 6$$

$$3x^{2} - 4x - 6 = 0$$

$$A = 3, B = -4, C = -6$$

$$\chi = 4 \pm \sqrt{16 - 4 \cdot (3) \cdot (-6)}$$

$$\chi = 4 \pm \sqrt{88} = 4 \pm \sqrt{22}$$

$$88 = 2^{2} \cdot 2 \cdot 6$$