

#1-4, Solve using the indicated method. You must show work (except for #4).

1. Factoring

$$x^2 + 5x - 150 = 0$$

2. Completing the Square

$$m^2 - 6m - 10 = 0$$

3. Quadratic Formula

$$-a^2 + 5 = -3a$$

4. Graphing

$$0 = 3x^2 - 3x - 4$$

#5-7, Solve using any method you please. Show work.

5. $x^2 - 3x = 40$

6. $0 = 2x^2 + 4x - 5$

7. $x^2 - 4 = 21$

8. Solve and leave answer in *exact form*.

$$(m - 5)^2 = 18$$