

## Section 3.3 Practice #1

Solve each equation by completing the square.

1)  $a^2 - 14a - 32 = 0$

2)  $n^2 + 10n - 24 = 0$

3)  $v^2 + 14v - 49 = -5$

4)  $n^2 - 16n - 46 = -10$

5)  $v^2 - 55 = -6v$

6)  $r^2 = 39 + 10r$

$$7) n^2 + 19n = 42$$

$$8) n^2 = 17n - 92$$

$$9) 10b^2 - 10b + 40 = 6$$

$$10) 5n^2 - 15n - 29 = -9$$

$$11) 2n^2 - 2n + 32 = -10$$

$$12) 3r^2 + 48 = -3r$$