

Solve and round to the nearest hundredth, if necessary.

1)  $42 = 3(x^2 + 5)$

2)  $11x^2 + 3 = 5(4x^2 - 3)$

Solve by completing the square. Check your answers!

3)  $2x^2 - 8x = 14$

4)  $3y^2 - 30y - 11 = 6y$