

Solve each of the following quadratic equations  
[use factoring for 1 and 2, complete the square for 3 and 4, and use whichever method you prefer for the rest]:

1.  $2x^2 + 10x = 0$

5.  $x^2 + 4x + 1 = 0$

2.  $3x^2 + 10x = 8$

6.  $6x^2 - x = 15$

3.  $x^2 - 5x - 2 = 0$

7.  $2x^2 - 5x + 7 = 0$

4.  $2x^2 + 6x - 3 = 0$

8.  $2 + \frac{5}{x-1} = \frac{12}{(x-1)^2}$