

Name \_\_\_\_\_ Date \_\_\_\_\_

Solve for all Real Number solutions.

1)  $x^2 + 8x = -12$

2)  $2x^2 + 7x + 3 = 0$

3)  $x^4 - 13x^2 + 40 = 0$

4)  $x^6 - 7x^3 - 8 = 0$

5)  $3x^4 - 48x^2 = 0$

6)  $x^{7/2} - 3x^{-1/2} - 10x^{-3/2} = 0$

7)  $\sqrt{2x+1} + 1 = x$

8)  $2x + \sqrt{x+1} = 8$

9)  $\frac{1}{x+1} - \frac{2}{x^2} = 0$

10)  $\frac{x}{2x+7} - \frac{x+1}{x+3} = 1$

11)  $|x - 6| = -1$

12)  $|6x + 5| = 7$