Solving Equations Worksheet

Name: _____

Solve the following equations. Some of your answers may be extraneous so be sure to check your soultions.

1.) $4x^2 + 2 = 26$

2.) $x^2 - 10x + 21 = 0$

3.) $\dfrac{7}{10} = \dfrac{9+x}{x}$

4.) $(4x - 1)(8x + 3) = 0$

5.) $3x^2 + 13x = -4$

6.) $(x + 3)^2 - 4 = 12$

7.) $\dfrac{5x}{10} = \dfrac{4}{2}$

8.) $2x^2 = 162$

9.) $(x + 6)(2x + 6)(3x + 6) = 0$

10.) $2x^2 + 7x - 15 = 0$

11.) $4x - (x - 4) = 8 + (x + 2)$

12.) $(x - 6)^2 + 2 = 18$