

Do in iPad, in NB, or on LL

SHOW ALL WORK!

Choose whether the equation is a linear equation or a quadratic equation and solve accordingly.

1) $26 - \frac{3}{4}x = 44$

2) $4x^2 - 24x = 160$

3) $x^2 = 5x + 24$

4) $x^2 + 42 = -13x$

Name _____

Absent Assignment 3

5) $4(7x - 10) = 8(3x - 2)$

6) $2(9x - 4) - 8(4x - 7) = 181$

7) $4x^2 - 3x - 13 = 3x^2 + 6x - 13$

8) $6(6x + 2) + 4(10 - 7x) = 80$

9) $9(6x + 4) = 8(5x - 6)$

10) $2x^3 = -288x - 48x^2$

Name _____

Absent Assignment 3

Solve using the quadratic formula:

11) $2x^2 - 3x - 7 = 0$

12) $3x^2 + 8x + 1 = 0$

Solve using Completing the Square :

13) $x^2 + 12x - 4 = 0$

14) $x^2 - 16x - 16 = 0$

Name _____

Absent Assignment 3

Solve Each Absolute Value Equation:

15) $-2|14x - 35| - 35 = 175$

16) $2|\frac{1}{2}x + 8| - 5 = 59$

17) $6|4x - 12| - 225 = -9$

18) $4|5x - 10| + 52 = 12$

Name _____

Absent Assignment 3

$$19) 4 \left| \frac{1}{3}x - 12 \right| - 80 = -8$$

$$20) \frac{2}{3} |24 - 8x| + 17 = 33$$