

Algebra I practice

Name _____

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Algebra 2 Applin

Solve each equation below

1. $2x - 16 = 0$

$$\begin{array}{rcl} & +16 & +16 \\ 2x - 16 & & \\ \hline 2x & = & 16 \\ \hline /2 & /2 & \\ x & = & 8 \end{array}$$

3. $3x - 9 = 9$

$$\begin{array}{rcl} & +9 & +9 \\ 3x - 9 & & \\ \hline 3x & = & 18 \\ \hline /3 & /3 & \\ x & = & 6 \end{array}$$

5. $7x + 7 = -14$

$$\begin{array}{rcl} & -7 & -7 \\ 7x + 7 & & \\ \hline 7x & = & -21 \\ \hline /7 & /7 & \\ x & = & -3 \end{array}$$

7. $5x - 65 = -20$

$$\begin{array}{rcl} & +65 & +65 \\ 5x - 65 & & \\ \hline 5x & = & 45 \\ \hline /5 & /5 & \\ x & = & 9 \end{array}$$

9. $11x = -11$

$$\begin{array}{rcl} & /11 & /11 \\ 11x & = & -11 \\ \hline x & = & -1 \end{array}$$

2. $6x - 12 = 0$

$$\begin{array}{rcl} & +12 & +12 \\ 6x - 12 & & \\ \hline 6x & = & 12 \\ \hline /6 & /6 & \\ x & = & 2 \end{array}$$

4. $4x - 12 = 12$

$$\begin{array}{rcl} & +12 & +12 \\ 4x - 12 & & \\ \hline 4x & = & 24 \\ \hline /4 & /4 & \\ x & = & 6 \end{array}$$

6. $8x + 25 = -7$

$$\begin{array}{rcl} & -25 & -25 \\ 8x + 25 & & \\ \hline 8x & = & -32 \\ \hline /8 & /8 & \\ x & = & -4 \end{array}$$

8. $9x - 6 = -21$

$$\begin{array}{rcl} & +6 & +6 \\ 9x - 6 & & \\ \hline 9x & = & -15 \\ \hline /9 & /9 & \\ x & = & -5/3 \end{array}$$

10. $x - 4 = -13$

$$\begin{array}{rcl} & +4 & +4 \\ x - 4 & & \\ \hline x & = & -9 \end{array}$$

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Michael Rajnik



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