

Name  
9/8/16 or  
9/9/16  
Alg I.

## Solve One-Step Equations

I can solve  
one-step equations  
using algebra.

Inverse Operations: Two operations  
that undo each other

Ch 2 Quiz 9/21  
or 9/22 Ch. 1/2  
Test 9/23 or 9/26

Equivalent Equations: Equations with the  
same solutions

Addition Property  
of Equality

$$1) \begin{array}{r} y + 7 = 10 \\ -7 \quad -7 \\ \hline \end{array}$$

$$2) \begin{array}{r} x - 5 = 3 \\ +5 \quad +5 \\ \hline \end{array}$$

$$\boxed{y = 3}$$

$$\boxed{x = 8}$$

Subtraction  
Property of  
Equality

$$3) \begin{array}{r} q - 11 = -5 \\ +11 \quad +11 \\ \hline \end{array}$$

$$4) \begin{array}{r} 6 = t - 2 \\ +2 \quad +2 \\ \hline \end{array}$$

$$\boxed{q = 6}$$

$$\boxed{8 = t}$$

Multiplication  
Property of  
Equality

$$5) \begin{array}{r} 4x = 48 \\ \frac{4}{4} \quad \frac{4}{4} \\ \hline \end{array}$$

$$6) \begin{array}{r} -65 = -5y \\ \frac{-5}{-5} \quad \frac{-5}{-5} \\ \hline \end{array}$$

$$\boxed{x = 12}$$

$$\boxed{13 = y}$$

Division Property  
of Equality

$$7) \begin{array}{r} 6w = -54 \\ \frac{6}{6} \quad \frac{6}{6} \\ \hline \end{array}$$

$$8) \begin{array}{r} 24 = -8n \\ \frac{-8}{-8} \quad \frac{-8}{-8} \\ \hline \end{array}$$

$$\boxed{w = -9}$$

$$\boxed{-3 = n}$$