

## Solving Basic Equations with Addition or Subtraction - Set 1

AB-SE1 1

**Instructions:** Use addition or subtraction to solve each equation.

$$\begin{array}{r} 1 \quad x + 5 = 16 \\ \quad -5 \quad -5 \\ \hline \quad x = 11 \end{array}$$

$$\begin{array}{r} 2 \quad x - 8 = 12 \\ \quad +8 \quad +8 \\ \hline \quad x = 20 \end{array}$$

$$3 \quad x - 10 = 4$$

$$4 \quad 3 + x = 18$$

$$5 \quad 29 = x - 11$$

$$6 \quad 13 = x + 13$$

$$7 \quad 12 - x = 5$$

$$8 \quad 12 + x = 15$$

$$9 \quad x - 9 = 23$$

$$10 \quad 25 - x = 11$$

$$11 \quad x + 18 = 31$$

$$12 \quad x - 6 = 17$$

## Solving Basic Equations with Addition or Subtraction - Set 2

AB-SE1 2

Instructions: Use addition or subtraction to solve each equation.

$$\begin{array}{r} 1 \quad 7 + x = 19 \\ -7 \quad -7 \\ \hline x = 12 \end{array}$$

$$\begin{array}{r} 2 \quad 14 - x = 5 \\ +x \quad +x \\ \hline 14 = 5 + x \\ -5 \quad -5 \\ \hline 9 = x \text{ or } x = 9 \end{array}$$

$$3 \quad 3 = x - 41$$

$$4 \quad 14 + x = 26$$

$$5 \quad 45 - x = 32$$

$$6 \quad 25 = x + 24$$

$$7 \quad 39 - x = 12$$

$$8 \quad 80 - x = 54$$

$$9 \quad x - 15 = 6$$

$$10 \quad x - 3 = 75$$

$$11 \quad 11 + x = 30$$

$$12 \quad x + 33 = 98$$

## Solving Basic Equations (with decimals)

AB-SE1 3

**Instructions:** Use addition or subtraction to solve each equation. You can use a calculator to do the decimal arithmetic if you'd like to.

1  $x + 2.5 = 4.0$

2  $x - 0.6 = 1.1$

3  $3.1 = x - 1.5$

4  $6.4 = x + 2.6$

5  $1.7 - x = 1.2$

6  $0.9 + x = 1.0$

7  $x - 3.6 = 1.4$

8  $1.05 + x = 2.2$

9  $x - 0.1 = 0.9$

10  $3.14 - x = 0.55$

## Solving Basic Equations (with negative numbers)

AB-SE1 4

**Instructions:** Use addition or subtraction to solve each equation.

1  $x + 2 = -4$

2  $x - 8 = -3$

3  $-7 = x - 7$

4  $-15 = x + 13$

5  $x - 10 = -1$

6  $-1 - x = -8$

7  $-25 + x = -8$

8  $-14 + x = 10$

9  $-30 - x = -25$

10  $x - 20 = -6$