1. Solve the equation.

\[-18 - 6k = 6(1 + 3k)\]

a) \(k = -2.67\) \quad \text{go to station 3}

b) \(k = -1\) \quad \text{go to station 4}

c) \(k = 1\) \quad \text{go to station 7}

d) \(k = 6\) \quad \text{go to station 10}

2. Solve the equation.

\[-(1 + 7x) - 6(-7 - x) = 36\]

a) \(x = -\frac{5}{6}\) \quad \text{go to station 7}

b) \(x = -7\) \quad \text{go to station 1}

c) \(x = 13\) \quad \text{go to station 8}

d) \(x = 5\) \quad \text{go to station 10}
3. Solve the equation.

\[-3(4x + 3) + 4(6x + 1) = 43\]

a) \(x = 3.25\) \hspace{1cm} \text{go to station 6}

b) \(x = -4\) \hspace{1cm} \text{go to station 4}

c) \(x = 4.25\) \hspace{1cm} \text{go to station 5}

d) \(x = 4\) \hspace{1cm} \text{go to station 9}

4. Solve the equation.

\[4x + 7 - 6x = 5 - 4x + 4\]

a) \(x = -4\) \hspace{1cm} \text{go to station 3}

b) \(x = 3\) \hspace{1cm} \text{go to station 1}

c) \(x = 1\) \hspace{1cm} \text{go to station 7}

d) \(x = -1\) \hspace{1cm} \text{go to station 5}
5. Solve the equation.
   \[ 3m = 5(m + 3) - 3 \]
   a) \( m = 0 \) \hspace{1cm} \text{go to station 6}
   b) \( m = 6 \) \hspace{1cm} \text{go to station 2}
   c) \( m = 7.5 \) \hspace{1cm} \text{go to station 4}
   d) \( m = -6 \) \hspace{1cm} \text{go to station 1}

6. Solve the equation.
   \[ -4k + 2(5k - 6) = -3k - 39 \]
   a) \( k = 1 \) \hspace{1cm} \text{go to station 3}
   b) \( k = 12 \) \hspace{1cm} \text{go to station 2}
   c) \( k = 6 \) \hspace{1cm} \text{go to station 1}
   d) \( k = -3 \) \hspace{1cm} \text{go to station 8}
   e) \( k = -10 \) \hspace{1cm} \text{go to station 10}
Solve the equation.

7. \[2(3x - 4) = 3x + 1\]
   
   a) \(x = 3\)  
      go to station 2
   
   b) \(x = -2\)  
      go to station 9
   
   c) \(x = \frac{5}{3}\)  
      go to station 8
   
   d) \(x = 1\)  
      go to station 5

8. Solve the equation.
   
   \[5 + 4x - 7 = 4x - 2 - x\]
   
   a) \(x = 0\)  
      go to station 5
   
   b) \(x = 1\)  
      go to station 4
   
   c) \(x = -3\)  
      go to station 2
   
   d) \(x = 2\)  
      go to station 1
9. Solve the equation.

\[5n + 34 = -2(1 - 7n)\]

a) \(n = 0\) \quad \text{go to station 7}

b) \(n = 4\) \quad \text{go to station 6}

c) \(n = -3\) \quad \text{go to station 8}

d) \(n = -1.9\) \quad \text{go to station 4}

e) \(n = -4\) \quad \text{go to station 2}

10. Solve the equation.

\[-(7 - 4x) = 9\]

a) \(x = -4\) \quad \text{go to station 6}

b) \(x = 0\) \quad \text{go to station 4}

c) \(x = 1\) \quad \text{go to station 1}

d) \(x = 4\) \quad \text{go to station 3}
Solution