

Exercise - Equation with No Solution and Identity

1

If $\frac{1}{3}(9-6x) = 5-2x$, what is the value of x ?

- A) 3
- B) 4
- C) 5
- D) The equation has no solution.

2

If $5(x-2)-3x = 2(x-5)$, which of the following must be true?

- A) x is 3.
- B) x is 4.
- C) x is 5.
- D) The equation is true for all values of x .

3

$$\frac{1}{3}(15-6x) = 5-ax$$

If the linear equation above is an identity, what is the value of a ?

- A) 2
- B) 3
- C) 4
- D) 5

4

$$4x+13 = 7(x-2)+bx$$

If the linear equation above has no solution, which of the following could be the value of b ?

- A) -1
- B) -2
- C) -3
- D) -4

5

What is the value of n

if $-\frac{7}{2}(2n-3)+4n = \frac{3}{2}(5+2n)$?

6

What is the value of k

if $\frac{13-7(k+1)}{3} = 3k-2$?

7

What is the value of x

if $-2[3-(x-4)]+5x = 2-x$?

8

What is the value of m

if $0.4(5m-9) = -5m-4(0.3-m)$?