Student: _____	**Instructor:** Deb Wertz	**Assignment:** Homework #14
Date: _____	**Course:** MAP102 MASTER	

1. Select the correct choice that completes the sentence below.

A value for the variable in an equation that makes the equation a true statement is called a(n) (1) _____ of the equation.

(1)
- slope
- solution

---

2. Identify the following as an equation or an expression.

$\frac{1}{3}x - 5$

Choose the correct answer below.

- **A.** $\frac{1}{3}x - 5$ is an equation.
- **B.** $\frac{1}{3}x - 5$ is an expression.

---

3. Identify the following as an equation or an expression.

$2(x - 3) = 7$

Choose the correct answer below.

- **A.** It is an equation, because it contains the difference of two terms.
- **B.** It is an expression, because it contains a variable.
- **C.** It is an expression, because it contains the difference of two terms.
- **D.** It is an equation, because it contains an equal sign.

---

4. Identify the following as an equation or an expression.

$\frac{5}{9}x + \frac{1}{3} = \frac{2}{9} - x$

Choose the correct answer below.

- **A.** $\frac{5}{9}x + \frac{1}{3} = \frac{2}{9} - x$ is an expression.
- **B.** $\frac{5}{9}x + \frac{1}{3} = \frac{2}{9} - x$ is an equation.

---

5. Identify the following as an equation or an expression.

$$\frac{5}{9}x + \frac{1}{3} - \frac{2}{9} - x$$

Choose the correct answer below.

- **A.** It is an expression, because it contains the sum and difference of terms, and does not contain an equal sign.
- **B.** It is an equation, because it does not contain an equal sign.
- **C.** It is an expression, because it contains a variable.
- **D.** It is an equation, because it contains the sum and difference of terms.

1. (1) solution

---

2. B. $\frac{1}{3}x - 5$ is an expression.

---

3. D. It is an equation, because it contains an equal sign.

---

4. B. $\frac{5}{9}x + \frac{1}{3} = \frac{2}{9} - x$ is an equation.

---

5. A. It is an expression, because it contains the sum and difference of terms, and does not contain an equal sign.
