

Identify Variable & Numeric Expressions.

Classify each equation as one of the following:

- a) A variable expression equal to a numeric expression
- b) A variable expression equal to a variable expression
- c) A numeric expression equal to a variable expression
- d) A numeric expression equal to a numeric expression

1) $2 + 3 = 10$

2) $5x + 2 = 14$

3) $3 = x - 1$

4) $3x + 1 = 2x + 7$

5) $x = 1 + 3$

6) $3 + x = 2x - 1$

Is x a solution of each equation? Explain why or why not.

7) $\frac{x}{8} = \frac{1}{2}$

8) $2x - 6 = 14$

9) $16 : 25 = 2$

Is x a solution of each equation? Explain why or why not.

10) $\frac{20}{x} = -4$

11) $3x - 13 = 6$

12) $\frac{50}{x} = -10$