

Name: _____

Date: _____ Score: _____

Algebraic Expressions

A. Evaluate each expression when $x = 5$

1) $x + 15 - 7 = \underline{\hspace{2cm}}$

2) $11 - x = \underline{\hspace{2cm}}$

3) $0 + x - 5 = \underline{\hspace{2cm}}$

4) $8 - x + 2 = \underline{\hspace{2cm}}$

5) $x^3 - 5 = \underline{\hspace{2cm}}$

6) $3x + 1 = \underline{\hspace{2cm}}$

7) $\frac{x}{10} = \underline{\hspace{2cm}}$

8) $\frac{4}{x} + 1 = \underline{\hspace{2cm}}$

B. Evaluate each expression when $y = 3$

1) $\frac{y}{3} + 4 = \underline{\hspace{2cm}}$

2) $\frac{27}{y} = \underline{\hspace{2cm}}$

3) $y^3 \times 2 = \underline{\hspace{2cm}}$

4) $8y^2 = \underline{\hspace{2cm}}$

5) $\frac{y}{2} - 1 = \underline{\hspace{2cm}}$

6) $\frac{y}{9} + 1 = \underline{\hspace{2cm}}$

7) $\frac{12}{y} + 9 = \underline{\hspace{2cm}}$

8) $\frac{y}{2} - 1 = \underline{\hspace{2cm}}$

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Algebraic Expressions

A.

Answers

$$1) x + 15 - 7 = \underline{13}$$

$$2) 11 - x = \underline{6}$$

$$3) 0 + x - 5 = \underline{0}$$

$$4) 8 - x + 2 = \underline{5}$$

$$5) x^3 - 5 = \underline{120}$$

$$6) 3x + 1 = \underline{16}$$

$$7) \frac{x}{10} = \underline{\frac{1}{2}}$$

$$8) \frac{4}{x} + 1 = \underline{\frac{9}{5}}$$

B.

$$1) \frac{y}{3} + 4 = \underline{5}$$

$$2) \frac{27}{y} = \underline{9}$$

$$3) y^3 \times 2 = \underline{54}$$

$$4) 8y^2 = \underline{72}$$

$$5) \frac{y}{2} - 1 = \underline{\frac{1}{2}}$$

$$6) \frac{y}{9} + 1 = \underline{\frac{4}{3}}$$

$$7) \frac{12}{y} + 9 = \underline{5}$$

$$8) \frac{y}{2} - 1 = \underline{\frac{1}{2}}$$