

VAAH Geometry Placement Test

Date _____ Period _____

A calculator is allowed for this Assessment. Evaluate each expression.

1) $8 + 5 - 2$

- A) 6 B) 11
C) 12 D) 19

2) $(-2) + (-3) - (-8)$

- A) 7 B) 3
C) 6 D) -1

3) $8 + (-7) - (-5)$

- A) 7 B) 6
C) 2 D) 13

4) $(-5) + (-6) - (-2)$

- A) -9 B) -17
C) -15 D) -6

Evaluate each expression.

5) $4\frac{1}{4} + 1\frac{2}{5} - \left(-3\frac{1}{5}\right)$

- A) $8\frac{17}{20}$ B) $4\frac{31}{60}$
C) $6\frac{79}{140}$ D) $8\frac{79}{140}$

6) $2\frac{2}{5} - \left(-1\frac{5}{6}\right) + 1\frac{1}{5}$

- A) $9\frac{14}{15}$ B) $\frac{14}{15}$
C) $5\frac{13}{30}$ D) $13\frac{13}{30}$

7) $2 \div (2 \times 5 - (4 + 4))$

- A) 1 B) 6
C) 0 D) 3

8) $(15 + 9) \div 6(2 + 3)$

- A) 24 B) 25
C) 20 D) 15

9) $(9 \times 2) \div (5 - (1 + 1))$

- A) 3 B) 6
C) 4 D) 1

10) $3^2 \div (6 - (6 - 3))$

- A) 0 B) 9
C) 1 D) 3

Solve each equation.

11) $n + 19 = 31$

- A) {1} B) $\{1\frac{12}{19}\}$
C) {12} D) {50}

12) $-2 = 2 + x$

- A) {-9} B) {-1}
C) {0} D) {-4}

13) $5 = 4 + \frac{x}{18}$

- A) {3} B) {-15}
C) {18} D) {17}

14) $13 = 7 + \frac{n}{3}$

- A) {-10} B) {2}
C) {18} D) {17}

15) $4 = \frac{x + 6}{4}$

- A) {10} B) {-9}
C) {-18} D) {2}