

First Quiz Make up

Due: February 14, 2013

Name: _____

1. Evaluate each of the following expressions:

(a) $-3^2 - 4(-2 - 3 \cdot 2)$

(b) $-10 - (30 \div 15 \cdot 2 - 14)$

(c) $\frac{4 \cdot 5 + 3(5 - 7)^2 - 2^2}{-3^2 + 5(7 - 8)}$

2. Evaluate the expression $x^2 + 2xy + y^2$, when $x = -2$ and $y = -3$.

3. Evaluate the expression

$$\frac{5 - x^2}{3x + 4}$$

when $x = -3$.

A. $\frac{14}{9}$

B. $-\frac{14}{9}$

C. $\frac{4}{5}$

D. $-\frac{4}{5}$

For the following statements indicate whether they are true or false:

4. If $x = -\frac{1}{2}$ and $y = \frac{3}{4}$, then $2x + 8y = -5$

A. True

B. False.

5. If $x = 3$ and $y = -2$, then $x^2 + 2y = y^2 - x + 4$

A. True

B. False.