

BRONX COMMUNITY COLLEGE
of the City University of New York

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 05X
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Quiz 2
June 19, 2008

Name: _____

1. Evaluate: $3 \cdot (-3 - 4) - 3 \cdot 3^2 \div 9 \cdot 3$.

2. Evaluate each of the following expressions if $a = -2$, $b = 3$, $x = -1$, $y = 1$ and $z = 2$:

(a) $5b - 3a + 7z$

(b) $-a^2 + (-b)^2$

(c) $a^3 - z(x - y) + b^2$

(d) $\frac{(a + x)^2}{z + y^2}$

3. Translate the following in to a mathematical statement. If you introduce variables state in complete sentences what each variable stands for.

(a) Twice the product of two consecutive odd integers is forty eighth.

(b) The length of a rectangle is six less than three times its width.