DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 05   Quiz 2

Nikos Apostolakis   September 16, 2008

Name: _____

1. Evaluate $10 - |-2 - 5(6 - 4)|$.

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

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

   (a) $-a^2 + 4$

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

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

   (d) $\dfrac{x - a^2}{b^2 + xy}$

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

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

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