

Test 1 MTH 135C Show your work.

Name

I. Perform the indicated operations. (4 points each)

1. $(-7)(3)(-2)=$

2. $-4 + -2=$

3. $5 + -6 - 8=$

4. $--8 + -2 =$

5. $-12 -2 =$

6.

7. -3

II. Indicate true or false by writing true or false. (2 points each)

1. $-4 < -6$ _____

2. $5 > -8$ _____

III. Perform the indicated operations. (6 points each)

1. $3 - [(8 - 11) + 2]$

2. $\frac{3 + 2}{5 - 2} (4 - 4)$

3. $\frac{68.45}{(6.98 - 3.28)} 4.85 + 0.6$

IV. Evaluate the following variable expressions for the given values.

(6 pts.) 1. $3x + 4y$ for $x = 2$ and $y = -2$.

(7 pts.) 2. $\frac{ab}{2b + c}$ for $a = 5$, $b = 2$, and $c = 6$

(7pts.) 3. $3x^2y - x^2 + y^2$ for $x = -1$ and $y = -2$

V. Simplify the following problems.

(5 pts.) 1. $-7x^2 - -3x^2$

(6pts) 2. $xy + -xy$

(6 pts.) 3. $8x(-y) - 3x^2$

(6 pts.) 4. $4 - 2(x + 3)$

(7 pts.) 5. $3x - 4(3y - (x + 2y))$