

### Quiz #3

**Directions:** Please show all your work since partial credit is given. Answers without the necessary work will receive no credit. And remember, have fun!

1. Simplify the following expressions.

b)  $3 + (-10)$

f)  $5 + (-|-4| + 3)$

c)  $-79 - 20$

g)  $(-5)^4$

d)  $33 - (-22) - 66$

i)  $-5(-6 - 2)$

e)  $(3-7)(2-8)$  \_\_\_\_\_

j)  $-3(4-7)+2(3+(-2))$  \_\_\_\_\_

2. First translate each statement into a mathematical expression. Then simplify the expression.

a) The sum of 4 and the opposite of 12.

b) Subtract  $-3$  from the product of  $-5$  and  $4$ .