

## 2.4 Multiplying and Dividing Integers

### Multiplication / Division Rule

1.  $(negative) \cdot (negative) = positive$        $(negative) \div (negative) = positive$
2.  $(positive) \cdot (positive) = positive$        $(positive) \div (positive) = positive$
3.  $(negative) \cdot (positive) = negative$        $(negative) \div (positive) = negative$

**Ex 1.** Perform indicated operations.

a.  $59 \times (-102)$

b.  $(-17)(-96)$

c.  $-4(-2)(5)(-7)$

e.  $-64 \div 16$

f.  $88 \div (-4)$

g.  $\frac{-36}{-18}$

h.  $(-12)(74)(0)$

i.  $\frac{-10}{0}$

j.  $0 \div (-77)$

### \* Exponent

**Ex 2.** Evaluate.

a.  $-6^2$

b.  $(-6)^2$

c.  $-(-6)^2$

d.  $-4^3$

e.  $(-4)^3$

f.  $-(-4)^3$