

# Multiplying and Dividing Real Numbers

How to multiply or divide real numbers:

- 1) The product (or quotient) of two numbers with the same sign is **POSITIVE**.
- 2) The product (or quotient) of two numbers with opposite signs is **NEGATIVE**.

$$(-4) \cdot (-6) =$$

$$(-7) \cdot 3 =$$

$$(-8) \cdot \left(-\frac{1}{2}\right) =$$

$$-\frac{18}{6} =$$

$$\frac{-28}{-4} =$$

$$\frac{-12(-5)}{7 - (-5)} =$$

$$\frac{-13(-4) - (-8)(-2)}{(-10)(2) - 4(-2)} =$$

$$(8 + 9)(4 - 12) =$$

$$(-7 - 4)(-9) - (-2) =$$

$$\frac{3^2 - 4^2}{7(-8 + 9)} =$$

**Translate and evaluate:**

**The product of 4 and -7, added to -12.**

**The product of 3 and the difference between 3 and -7.**

**The sum of -18 and -6, divided by the product of 2 and -4.**