

1. Evaluate each of the following:

$$-6(4) = \boxed{-24}$$

$$3 \cdot (-8) = \boxed{-24}$$

$$-5(-7) = \boxed{35}$$

$$\underline{(-2)(2)} \underline{(-3)} \underline{(-4)} = \underline{(-4)(-3)} \underline{(-4)} = \underline{(12)(-4)} = \boxed{-48}$$

$$\underline{-2(-1)} \underline{(-5)(3)} \underline{(-4)(-1)} = \underline{(2)} \underline{(-15)} \underline{(4)} = \underline{(-30)(4)} = \boxed{-120}$$

$$(-2)^6 = (-2)(-2)(-2)(-2)(-2)(-2) = \boxed{64}$$

$$-3^4 = -(3 \cdot 3 \cdot 3 \cdot 3) = \boxed{-81}$$

$$(-1)^7 = (-1)(-1)(-1)(-1)(-1)(-1)(-1) = \boxed{-1}$$

$$24 \div (-3) = \boxed{-8}$$

$$\frac{-100}{-25} = \boxed{4}$$

$$\frac{0}{-5} = \boxed{0}$$

$$\frac{-4}{0} \text{ undefined}$$

2. Solve: $(-7) \cdot x = -56$

$$x = \frac{-56}{-7}$$

$$\boxed{x = 8}$$

3. Find all square roots of 81.

9 and -9

4. Find the principal square root of 81.

9

5. Find all square roots of -25.

Think: $\square^2 = -25$

No real roots exist

6. Simplify $\sqrt{-16}$.

↖ Negative inside $\sqrt{\quad}$

Not a real #

7. Simplify $-\sqrt{16}$.

= -4

8. Simplify each of the following.

$$+(+(+(+27))) = 27$$

$$-(100) = -100$$

$$-(-100) = 100$$

Q: I can run but not walk. Wherever I go, thought follows close behind. What am I?