**Topic**: Adding and subtracting signed numbers

**Question**: Simplify the expression.

$$-1 + 8$$

**Answer choices**:

A     $-7$

B     $-9$

C     $7$

D     $9$

**Solution**: C

We can rewrite the expression and solve it.

$$-1 + 8$$

$$8 - 1$$

$$7$$

We can also find the answer on the number line. Given $-1 + 8$, we'd start at $-1$ on the number line, which is one unit to the left of $0$. Then, because we're asked to add $8$ to $-1$, we'll move eight units to the right of $-1$, ending up at $7$.

**Topic**: Adding and subtracting signed numbers

**Question**: Which equation is the same?

$$3 - 3 = 0$$

**Answer choices**:

A $\quad 3 + 3 = 0$

B $\quad 3 - (-3) = 0$

C $\quad 3 + (-3) = 0$

D $\quad 3 + \left[-(-3)\right] = 0$

**Solution**: C

Subtraction is the same as addition of a negative.

$$3 + (-3) = 0$$

$$3 - 3 = 0$$

$$0 = 0$$

**Topic**: Adding and subtracting signed numbers

**Question**: Which of these is true?

**Answer choices**:

A $\quad 3 + (+2) = -1$

B $\quad 3 + (-2) = 1$

C $\quad 3 - (-2) = 1$

D $\quad 3 - (+2) = -1$

**Solution**: B

Subtraction is the same as addition of a negative.

$$3 + (-2) = 1$$

$$3 - 2 = 1$$

$$1 = 1$$