Lesson 4: The Opposite of a Number

Problem Set

1. Find the opposite of each number, and describe its location on the number line.
	1. $-5$
	2. $10$
	3. $-3$
	4. $15$
2. Write the opposite of each number, and label the points on the number line.
	1. Point $A$: the opposite of $9$
	2. Point $B$: the opposite of $-4$
	3. Point $C$: the opposite of $-7$
	4. Point $D$: the opposite of $0$
	5. Point $E$: the opposite of $2$

$$-10$$

$$-9$$

$$-8$$

$$-7$$

$$-6$$

$$-5$$

$$-4$$

$$-3$$

$$-2$$

$$-1$$

$$0$$

$$2$$

$$3$$

$$4$$

$$5$$

$$6$$

$$7$$

$$8$$

$$9$$

$$10$$

$$1$$

1. Study the first example. Write the integer that represents the opposite of each real-world situation. In words, write the meaning of the opposite.
	1. An atom’s positive charge of $7$
	2. A deposit of $\$25$
	3. $3,500$ feet below sea level
	4. A rise of $45℃$
	5. A loss of $13$ pounds
2. On a number line, locate and label a credit of $\$38$ and a debit for the same amount from a bank account. What does zero represent in this situation?

$$0$$

1. On a number line, locate and label $40℃ $below zero and $40℃$ above zero. What does zero represent in this situation?