Inequalities and Interval Notations

Objectives:

- Translating to inequalities
- Expressing inequalities in interval notations

Exercises:

- 1. Translate to an inequality.
 - a. Charles is at least 18 years old.
 - b. Las Vegas is no more than 300 miles.
 - c. The movie is between 60 and 150 minutes.
 - d. John scored more than 75 points on the exam.
 - e. Angela has at least \$75.
- 2. What is the difference between at most and less than?
- 3. Write one number that makes the compound inequality true.

b.
$$5 \le \square < 6$$

d.
$$-2 \le \square \le -2$$

e.
$$-2.5 < \square < -2$$

f.
$$0.234 < \square \le 0.25$$

4. Fill in the missing information with an equivalent expression

	English phrase	Inequality	Interval Notation	Number Line
a.	To get a C, you must receive at least 70% but less than 80%			
b.		$14 \le x$		
c.			(55, 95)	
d.			[-2, 2]	