

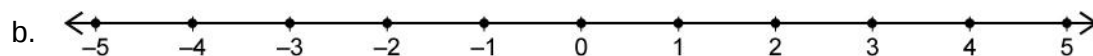
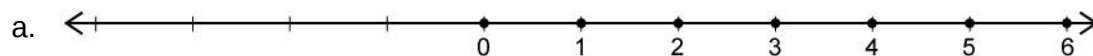
Lesson 2: Are You Ready?

1. Complete the chart by writing either “rational” or “irrational” in the appropriate column for each number example.

Number	Rational or Irrational
$0.\overline{3}$	
π	
0.6	
8	
-5.25	
$\sqrt{25}$	
$\sqrt{5}$	
$2\frac{2}{3}$	
-8	
1.404 004 004 . . .	
4^2	
0.142 857 142 857 1 . . .	

2. Match each set of numbers with its number line and examples.

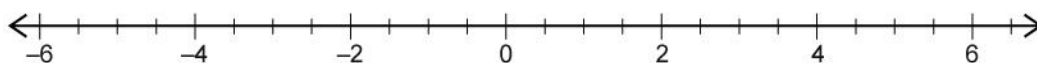
Number Line



Number Set

- i. integers
- ii. whole numbers
- iii. natural numbers

3. In each question part, the following number line is used to graph a specific set of real numbers.

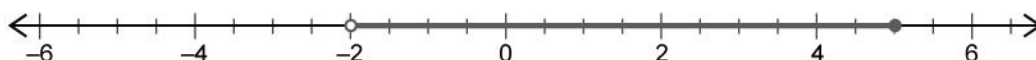


Answer each question.

- a. The following set includes all real numbers with the exception of _____ and _____.



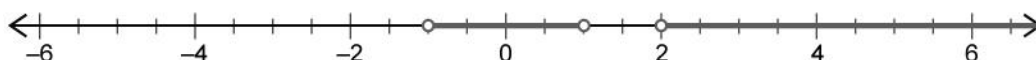
- b. The following set of real numbers is described in words as _____.



- c. The following set of real numbers is described in words as _____.



- d. The following set of real numbers is described in words as _____.



4. Identify the independent variable in each pair.

	Variable A	Variable B
a.	amount of energy used	cost of energy bill
b.	outdoor temperature	day of the year
c.	total profit	number of tickets sold
d.	duration of exercise	heartbeats per minute
e.	shoe size	height