

1. Read the following Essential Questions:

- How do symbols relate to numbers?
- How can we use representations of functions to make predictions? Which representation works best to convey the relationship?
- What situations can be modeled with piece wise graphs?
- Why would estimation be used in problem solving?
- Is this model the best for this situation?
- Why does the orientation of a function on a graph matter?
- What relationships are best represented by lines?

2. Write at least five important words in the essential questions that stick out to you.**3. Read page 2 of your book and complete the following sentence.**

_____, _____, and _____ data are important skills in the real world. One example is the research of the annual migration of millions of _____.

4. Read page 84 of your book and describe how functions are used in the real world.**5. Define the following terms in your own words.**

Natural numbers –

Whole numbers –

Integers –

Rational numbers –

Irrational numbers –

Real numbers –

Order of Operations –

Definition of Rational Exponents –

Properties of Exponents –