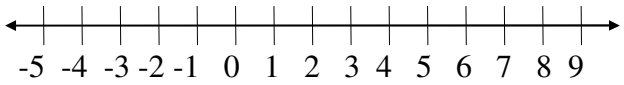
Math 141 Su '04 _____ NAME: _____
quiz # 7 20
8.1, 8.2, 9.1 Seat: _____

Partial credit is based on work shown!

4pts

1. Illustrate 4 – 6 using a number line and a set model. Be sure to indicate your answer.

a. number line b. set model with + - signs



4pts

2. Illustrate $4 \cdot (-3)$ using

a. a set model

b. continue this pattern to show what $4 \cdot (-3) =$

4 (3) = 12
4 (2) = 8
4 (1) = 4
4 (0) = 0
4 (-1) = ___
_____
_____

4pts

3. a. What is the set of integers?

b. What is the set of rational numbers?

6pts

4. a. Is 7 a rational number? _____ Explain how it does or doesn't fit the definition of a rational number.

b. Is $-3\frac{2}{5}$ a rational number? _____ Explain how it does or doesn't fit the definition of a rational number.

2pts

5. Write a rational number that is between 7.858585**…** and 7.86666666**…**