Geometry
Unit: Geometry Introduction
Section: Measuring Segments

Review Worksheet Key

1. What is the Ruler Postulate?
Ruler Postulate: Every point on a line or line segment can be paired with a real number.

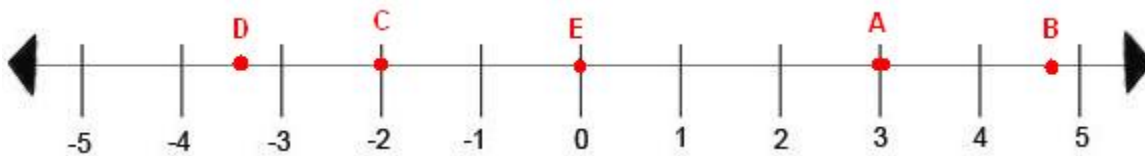2. Draw a number line and put the following points in the correct location.
A: 3
B: 4.7
C: -2
D: -3.4
E: 0

3. Evaluate the following absolute values.

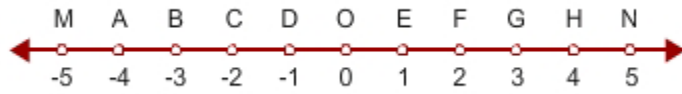a. $|-3| = 3$

b. $|17| = 17$

c. $|4 - 8| = |-4| = 4$

d. $|19 - (-3)| = |19 + 3| = |22| = 22$

e. $|-3 - 7| = |-10| = 10$

f. $|-3| - |-5| = 3 - 5 = -2$

4. Use the number line to find the length of the segments.

M	A	B	C	D	O	E	F	G	H	N
-5	-4	-3	-2	-1	0	1	2	3	4	5

a. segment AF

$|-4 - 2| = |-6| = 6$

b. segment HB

$|4 - (-3)| = |4 + 3| = |7| = 7$

c. segment MC

$|-5 - (-2)| = |-5 + 2| = |-3| = 3$