Name : _____ Section : _____ Date: _____

1 *Absolute Value of a Number*

The ***absolute value*** of a number is the distance between that number and zero on the number line. It is denoted by two bars (| |). Since we are referring to distance, the absolute value of a number can never be negative. However, if a negative sign is outside the absolute value, it is not affected by the absolute value symbol.

Examples :

1. $|0| = 0$
2. $|-2| = 2$
3. $|4| = 4$
4. $-|3| = -3$
5. $-|-5| = -5$
6. $|6| + |-4| = 10$

Practice Exercises 1

A. Give the value of the following.

_____ 1. $|4|$

_____ 2. $|-20|$

_____ 3. $-|15|$

_____ 4. $-|-12|$

_____ 5. $|-5| + |-5|$

_____ 6. $|16| + |-4|$

_____ 7. $|6-4|$

_____ 8. $|10+4|$

_____ 9. $|15| - |-5|$

_____ 10. $|-8| + |-5|$

B. Write >, < or = on the blank to make the statement true.

_____ 1. $|4|$ ____ $|-20|$

_____ 2. $|7|$ ____ $|25|$

_____ 3. $|-20|$ _____ $|4|$

_____ 4. $-|15|$ _____ $|-20|$

_____ 5. $|-10|$ _____ $|6-4|$

_____ 6. $|8|$ _____ $|10+4|$

_____ 7. $|10+4|$ _____ $|-8| + |-5|$

_____ 8. $|-5| + |-5|$ _____ $|-5| + |-5|$

_____ 9. $|16| + |-4|$ _____ $|20|$

_____ 10. $|3-2| + |10+4|$ _____ $|10|$

LIVEWORKSHEETS