

ALL PROBLEMS CAN BE COMPLETED ON THIS WORKSHEET

**WS 1.1 - Absolute Value, Opposites, & Ordering Real Numbers**Insert  $<$ ,  $>$ , or  $=$  to make each statement true.

1.  $0 < 5$

2.  $-4\frac{1}{4} < -4$

3.  $-0.6 < 0.6$

4.  $5.4 < 5\frac{1}{2}$  5.5

5.  $-2 < 1$

6.  $-7 > -9$

7.  $\frac{2}{3} > -1\frac{1}{3}$

8.  $6.7 < 6\frac{3}{4}$  6.75

9.  $-4.62 < -4.6$   
-4.60

10.  $7.94 < 7.95$

11.  $-\frac{1}{5} > -\frac{1}{4}$

12.  $-8.2 > -8\frac{1}{4}$   
-8.25

Find the opposite of each number.

13.  $17 \rightarrow -17$

14.  $-17 \rightarrow 17$

15.  $0 \rightarrow 0$  ↖ 0 is its own opposite

16.  $(7.8) \rightarrow -7.8$

17.  $x \rightarrow -x$

18.  $-1.2 \Rightarrow 1.2$

19.  $\frac{4}{5} \Rightarrow -\frac{4}{5}$

20.  $\frac{13}{20} \Rightarrow -\frac{13}{20}$

Simplify each expression.

21.  $-(-10)$

$= 10$

22.  $-(6.8 - 4.9)$

$= -(1.9)$

$= -1.9$

23.  $-(3 \cdot 8)$

$= -(24)$

$= -24$

24.  $-(17 - 17)$

$= -(0)$

$= 0$

25.  $|3|$  (distance from 0)

$= 3$

26.  $|-20|$

$= 20$

27.  $|\frac{20}{5}|$

$= |4|$

$= 4$

28.  $| -(-3) |$

$= |3|$

$= 3$

29.  $|6| + |-6|$

$= 6 + 6$

$= 12$

30.  $|-2\frac{1}{3}|$

$= 2\frac{1}{3}$

31.  $|-1| \cdot |8|$

$= 1 \cdot 8$

$= 8$

32.  $-|16 - 10|$

$= -|6|$

$= -6$