Name: _____ Date: _____ Class: _____

Integers

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Solve each question. Show your work where needed.

1. Find the value.

1) $-7 + 12 =$ _____

2) $-15 + 9 =$ _____

3) $8 + (-14) =$ _____

4) $-20 + (-5) =$ _____

5) $17 + (-8) =$ _____

2. Find the value.

6) $-9 - 4 =$ _____

7) $14 - (-6) =$ _____

8) $-18 - 7 =$ _____

9) $25 - (-3) =$ _____

10) $-11 - 9 =$ _____

3. Multiply.

11) $(-6)(3) =$ _____

12) $(-7)(-4) =$ _____

13) $9(-5) =$ _____

14) $-12(6) =$ _____

15) $-8(-3) =$ _____

4. Divide.

16) $24 \div (-6) =$ _____

17) $-30 \div 5 =$ _____

18) $-42 \div (-7) =$ _____

19) $56 \div (-8) =$ _____

20) $-72 \div 9 =$ _____

5. Simplify.

21) $-3 + 8 - 5 =$ _____

22) $12 - 17 + 6 =$ _____

23) $-9 + 4 - (-7) =$ _____

24) $15 - (-3) + 2 =$ _____

25) $-6 - 8 + 14 =$ _____

6. Solve for x.

26) $x + (-7) = 5$ _____

27) $x - 12 = -3$ _____

28) $-8 + x = -1$ _____

29) $3x = -15$ _____

30) $-4x = 20$ _____

7. Compare. Use >, <, or =.

31) -6 _____ 3

32) -12 _____ -5

33) 7 _____ -9

34) -20 _____ -18

35) 4 _____ -4

8. Word Problems.

36) A submarine is at -18 meters. It rises by 7 meters. What is its new position? _____

37) The temperature is -5°C. It drops by 9°C. What is the new temperature? _____

38) A bank account has $-\$24$. A deposit of \$40 is made. What is the new balance? _____