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Name ______ Date _____

Practice A

For use with pages 28-33

Tell whether the sum is positive or negative. You do not need to find the sum.

1.
$$-16 + 43$$

2.
$$-12 + (-9)$$

3.
$$7 + (-32)$$

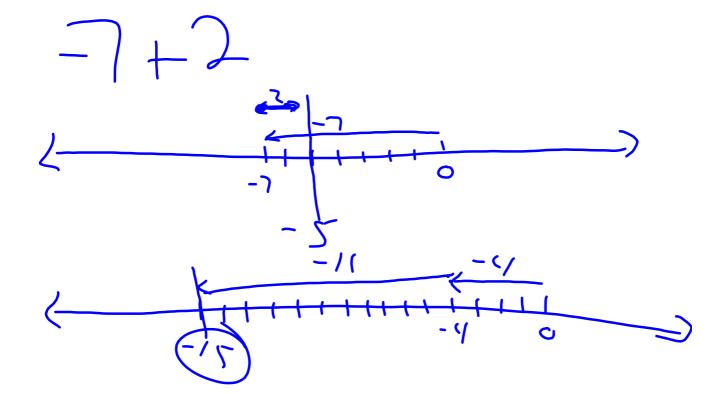
4.
$$-17 + 13$$

Use a number line to find the sum.

5.
$$-7 + 2$$

6.
$$-8 + 3$$

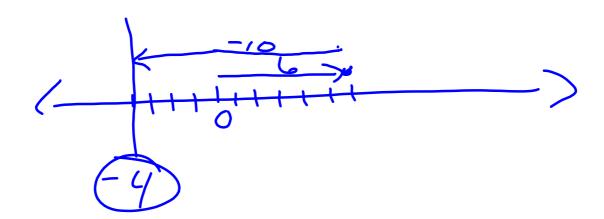
7.
$$-4 + (-11)$$



8.
$$-5 + (-13)$$

9.
$$6 + (-10)$$

10.
$$15 + (-9)$$



11.
$$-12 + (-1)$$
 12. $7 + (-14)$ **13.** $8 + (-6)$

12.
$$7 + (-14)$$

13.
$$8 + (-6)$$

Find the sum.

14.
$$-21 + (-46)$$
15. $-18 + (-53)$

$$-18 + (-53)$$

$$-18 + (-53)$$

$$-18 + (-53)$$

$$-18 + (-53)$$

17.
$$19 + (-17)$$

18.
$$-27 + 35$$

19.
$$-24 + 17$$

20.
$$-33 + 48$$

21.
$$29 + (-13)$$

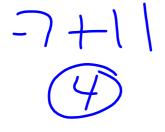
22.
$$41 + (-37)$$

Evaluate the expression when x = -7 and y = 6.

23.
$$x + 11$$

24.
$$x + (-20)$$

25.
$$-9 + x$$



26. x + y

27. y + (-12)

6-6

28. -23 + y

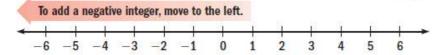
29. You have a checking account. Your balance is \$95. You withdraw \$32, deposit \$80, and withdraw \$25. Write an integer to represent each value. Then find the final balance in your account.

95,-32,80,-25 95+-32+50±25 63,435-25 **30.** In consecutive plays, a football team gains 5 yards, loses 3 yards, loses 1 yard, and gains 6 yards. Write an integer to represent each value. What is the net gain for the drive?

One way to add integers is to use a number line.



To add a positive integer, move to the right.



Absolute Values You can use absolute values to find the sum of two or more integers.

Adding Integers

Wo	rds	Numbers
1.	Same Sign Add the absolute values and use the common sign.	$ 8 + 12 = 20 \\ -6 + (-4) = -10 $
2.	Different Signs Subtract the lesser absolute value from the greater absolute value and use the sign of the number with greater absolute value.	5 + (-8) = -3 -11 + 13 = 2
3.	Opposites The sum of a number and its opposite is 0.	7 + (-7) = 0

Additive Inverse Property The opposite of a number is also called its **additive inverse**. Item 3 in the notebook can be written algebraically as a + (-a) = 0 and is called the *additive inverse property*.