

Name _____

Practice 3-3 Using Models: Adding Integers

□ = pos.
■ = neg.

Group zero pairs. Then write the addition equation for each model.

1. $\begin{array}{c} \square \square \\ \square \square \end{array} + \begin{array}{c} \blacksquare \blacksquare \\ \blacksquare \blacksquare \end{array}$

2. $\begin{array}{c} \blacksquare \blacksquare \\ \blacksquare \end{array} + \begin{array}{c} \blacksquare \blacksquare \\ \blacksquare \blacksquare \end{array}$

3. $\begin{array}{c} \square \square \square \square \\ \square \square \square \end{array} + \begin{array}{c} \blacksquare \\ \blacksquare \end{array}$

4. $\begin{array}{c} \blacksquare \blacksquare \blacksquare \\ \blacksquare \blacksquare \end{array} + \begin{array}{c} \blacksquare \\ \blacksquare \end{array}$

5. $\begin{array}{c} \blacksquare \blacksquare \\ \blacksquare \blacksquare \end{array} + \begin{array}{c} \square \\ \square \end{array}$

6. $\begin{array}{c} \square \square \square \square \\ \square \square \square \square \end{array} + \begin{array}{c} \blacksquare \blacksquare \\ \blacksquare \blacksquare \end{array}$

Find each sum.

7. $-2 + (-3)$

8. $8 - 7 + 4$

9. $8 + (-5)$

10. $15 + (-3)$

11. $-16 + 8$

12. $7 + (-10)$

13. $-9 + (-5)$

14. $-12 + 14$

Try to subtract

9. $9 - 26$

10. $-4 - 15$

11. $21 - (-7)$

12. $27 - (-16)$

Solve for the variable. What is the variable = to?

$$x - 6 = -6$$

$$7 = 9 + y$$

$$x - 6 = 6$$

$$-7 = k + 4$$

$$-5 = p + 8$$

$$17 = 19 + t$$