

Name _____

Practice 3-3 Using Models: Adding Integers

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

$\square = \text{pos.}$
 $\blacksquare = \text{neg.}$

1. $\square \square + \blacksquare \blacksquare$
 $\square \square + \blacksquare \blacksquare$

2. $\blacksquare \blacksquare + \blacksquare \blacksquare$
 $\blacksquare \blacksquare + \blacksquare \blacksquare$

3. $\square \square \square \square + \blacksquare$
 $\square \square \square \square + \blacksquare$

4. $\blacksquare \blacksquare \blacksquare + \blacksquare$
 $\blacksquare \blacksquare \blacksquare + \blacksquare$

5. $\blacksquare \blacksquare + \square$
 $\blacksquare \blacksquare + \square$

6. $\square \square \square \square + \blacksquare \blacksquare$
 $\square \square \square \square + \blacksquare \blacksquare$

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?

$x - 6 = -6$

$7 = 9 + y$

$x - 6 = 6$

$-7 = k + 4$

$-5 = p + 8$

$17 = 19 + t$