**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HW# 3**

**HW: Rules for Adding Integers**

**Add each set of integers using integer rules.**

**1.** $3+ -12$ = \_\_\_\_\_ **2.** $-25+(-7)$ = \_\_\_\_\_ **3.** $-17+18$ = \_\_\_\_\_

**4.** $-23+35= \\_\\_\\_\\_\\_$ **5.** $21+(-17)= \\_\\_\\_\\_\\_$ **6.** $-50+(57)$ = \_\_\_\_\_

**7.** $-5+-8$= \_\_\_\_\_ **8.** $-3+17$= \_\_\_\_\_ **9.** $-99+137= \\_\\_\\_\\_\\_$

**10.** $15+(-3)$ = \_\_\_\_\_ **11.** $-10+4= \\_\\_\\_\\_\\_$ **12.** $-5+(-13)$ = \_\_\_\_\_

**13.** $27+\left(-24\right)= \\_\\_\\_\\_\\_\\_$ **14.** $42+(-42)= \\_\\_\\_\\_\\_$ **15.** $-15+20$ = \_\_\_\_\_

**Set up an equation using addition of integers and then solve the problem.**

**16.** At midnight, the temperature was $-12$ºF. By 6 A.M., the temperature had risen 19 degrees. What was the temperature at 6 A.M.?

**Addition Equation**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Answer: \_\_\_\_\_\_\_\_\_**

**17.** Janet earned $10 for cutting the grass and doing the dishes. She spends $5 on pizza and $2 on candy. How much money does she have left?

**Addition Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Answer: \_\_\_\_\_\_\_\_\_**

**Find the additive inverse of each number.**

**18.** $-62$ **19.** $14$ **20.** $425$ **21.** $-162$