**Ch 5 Integers review sheet Test Date:\_\_\_\_**

**Write the letter for the correct answer in the blank at the right of each question.**

 **1**. Which of the following statements is true?

 **A**. 4 < −8 **B**. −1 < −4 **C**. −9 > 0 **D**. −2 > −7

 **2**. Which set of integers is graphed on the number line?



 **F**. {1, −1, −5} **G**. {−5, −3, 0} **H**. {3, −5, 0} **I**. {−1, −5, −3}

 **3**. Which expression has the greatest value?

 **A**. − ⎪−13⎥ **B**.⎪−1⎥ **C**. −⎪−22⎥ **D**.⎪20⎥

 **4**. What is the value of the expression ⎪−31⎥ +⎪ −9⎥?

 **F**. −40 **G**. −22 **H**. 29 **I**. 40

 **5**. Which integer best represents a deposit of $37?

 **A**. 37 **B**. −37 **C**. −⎪37⎥ **D**. −⎪−37⎥

 **6**. Write − $\frac{2}{9}$ as a decimal.

 **F**. − 0.$\overbar{2}$ **G**. − 0.2$\overbar{3}$ **H**. − 0.22 **I**. – 2.2

 **7**. Order – 2.96, 2$\frac{1}{9}$, −2$\frac{11}{12}$, and 2.$\overbar{95}$ from least to greatest.

 **A.** – 2.96, 2.$\overbar{95}$, −2$\frac{11}{12}$, 2$\frac{1}{9}$ **C.** – 2.96, −2$\frac{11}{12}$, 2$\frac{1}{9}$, 2.$\overbar{95}$

 **B.** 2.$\overbar{95}$, – 2.96, −2$\frac{11}{12}$, 2$\frac{1}{9}$ **D.** – 2.96 2$\frac{1}{9}$, −2$\frac{11}{12}$, 2.$\overbar{95}$

 **8**. What is the opposite of 89?

 **F**. −89 **G**. 89 **H**. 0 **I**. 98

 **9**. Which integer represents a decrease of five degrees?

 **A**. +7 **B**. +5 **C**. −5 **D**. −7

 **10**. Which situation is *not* best described by a negative integer?

 **F**. a height of 75 yards **H**. a loss of 9 pounds

 **G**. a decrease of 4 points **I**. 3 degrees below zero

 **11**. Which of the following correctly identifies the quadrant where the point named by (2, 2) is located?

 **A**. Quadrant I **C**. Quadrant III

 **B**. Quadrant II **D**. Quadrant IV

**1. \_\_\_\_\_\_\_\_\_\_\_\_**

**2. \_\_\_\_\_\_\_\_\_\_\_\_**

**3. \_\_\_\_\_\_\_\_\_\_\_\_**

**4. \_\_\_\_\_\_\_\_\_\_\_\_**

**5. \_\_\_\_\_\_\_\_\_\_\_\_**

**6. \_\_\_\_\_\_\_\_\_\_\_\_**

**7. \_\_\_\_\_\_\_\_\_\_\_\_**

**8. \_\_\_\_\_\_\_\_\_\_\_\_**

**9. \_\_\_\_\_\_\_\_\_\_\_\_**

**10. \_\_\_\_\_\_\_\_\_\_\_**

**11. \_\_\_\_\_\_\_\_\_\_\_**

**For Exercises 12 and 13, use the coordinate plane below.**

 **12**. Which of the following correctly identifies the point for the ordered pair (4, –3)?



**F**. point *A* **H**. point *C*

**G**. point *B* **I**. point *D*

 **13**. Which of the following ordered pairs correctly names point *D*?

**A**. (–3, 4) **C**. (–3, –4)

**B**. (3, –4) **D**. (3, 4)

 **14**. Which of the following correctly identifies the quadrant where the point named by (–3, 7) is located?

**F**. Quadrant I **H**. Quadrant III

**G**. Quadrant II **I**. Quadrant IV

**Graph each point on a coordinate plane.**

 **15**. *M*(0, 3)

 **16**. *R*(–3, 3)

 **17**. *S*(–2, –4)

 **18**. *T*(4, –1)

**Replace each with** <**,** >**, or** = **to make a true sentence.**

 **19**. 0 –1

 **20**. –7 –9

**For Exercises 21-24, use the coordinate plane below.**



 **21**. Identify the point for the ordered pair (–4, 3).

 **22**. Write the ordered pair that names point *A*.

 **23**. Write the ordered pair that names point *D*.

 **24**. Write the ordered pair that represents the reflection of point *D* across the *y*-axis.

**12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**15-18.**



**19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**21. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**22. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**23. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24. \_\_\_\_\_\_\_\_\_\_\_\_\_\_**



Explain your choice for the work above:

What is an integer?

What is a rational number?

