Lesson 4.2C ~ Comparing Integers

Name_____ Period_____ Date_____

Rational numbers include integers, fractions and decimals. Fractions and decimals can be positive or negative. Compare each integer to the given fraction or decimal using < or >.

1. $-2 \bigcirc -\frac{9}{4}$

2. $-4 \bigcirc -3\frac{1}{4}$

3. $0 \bigcirc -0.7$

4. $-2\frac{1}{2} \bigcirc -3$

5. $-6.1 \bigcirc -5$

6. $-\frac{8}{3} \bigcirc -3$

Order the numbers from least to greatest.

7. $-4.3,\ 3,\ -2\frac{1}{2},\ 1$

8. $-\frac{3}{4},\ -1,\ -1\frac{2}{3},\ -1.4$

9. $-7.3,\ -8\frac{1}{2},\ -7\frac{4}{5},\ -7$

Points can be graphed on a coordinate plane using (*x*, *y*) coordinates. The *x*-axis runs horizontally and the *y*-axis runs vertically. Graph each point on the coordinate plane. Label with the given letter.

10. A(1, 4)

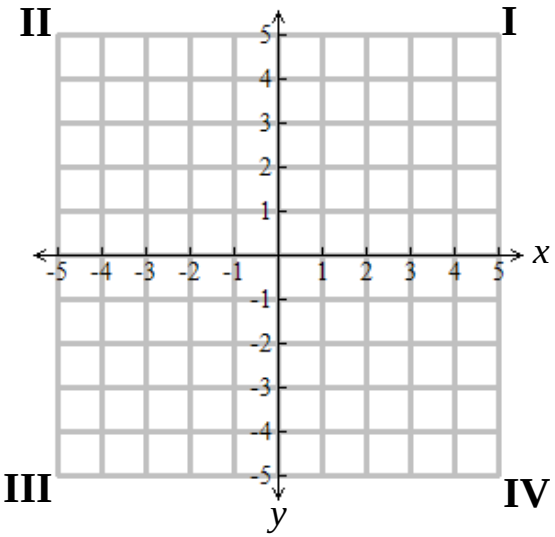
11. B(−2, −1)

12. C(−3, 0)

13. D(4, −5)

14. E(−1, 3)

15. F(−5, −3)



16. The four quadrants in a coordinate plane are numbered using Roman numerals as seen above. List the Roman numeral for the quadrant that would have coordinates with the following descriptions:

a. (+, +) **b.** (−, −) **c.** (−, +) **d.** (+, −)