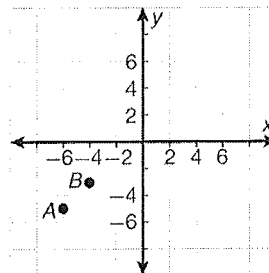


**Rational Explorations: Numbers and their Opposites****Practice test****Choose the best answer.**

1. Write 93.08 as a mixed number in simplest form.
2. Write  $\frac{7}{12}$  a decimal.
3. Which list is ordered from least to greatest?  
A  $95.67, 95\frac{2}{3}, 95\frac{7}{10}$   
B  $95\frac{2}{3}, 95\frac{7}{10}, 95.67$   
C  $95\frac{2}{3}, 95.67, 95\frac{7}{10}$   
D  $95\frac{7}{10}, 95\frac{2}{3}, 95.67$
4. Which number is greatest?  
F 142.04                      H  $142\frac{3}{4}$   
G 142.402                    J  $142\frac{4}{5}$
5. Which number represents being paid \$364.50?  
A -36450                      C +364.50  
B -364.50                    D +36450
6. What is the opposite of -162.

7. Which statement is *not* true?

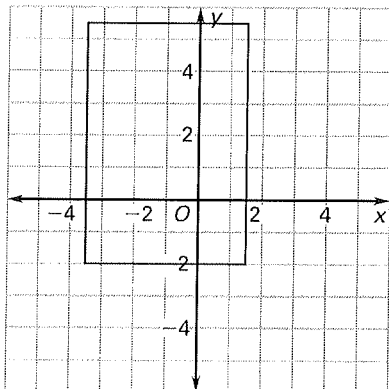
- A  $453 > 432$                       C  $-36 > -39$   
B  $-23 < -25$                     D  $-196 < 196$
8. Which set of integers is ordered from least to greatest?  
F 42, -24, -36                  H -36, 42, -24  
G -36, -24, 42                  J -24, -36, 42

**Use the figure below for 9–12.**

9. In which quadrant is point A located?  
A Quadrant I                      C Quadrant III  
B Quadrant II                    D Quadrant IV
10. What are the coordinates of point B?  
F (4, -3)                          H (-4, -3)  
G (-3, -4)                        J (-3, 4)
11. Identify the coordinates of Point B after it is reflected across the x-axis.  
A (3, -4)                          C (-4, 3)  
B (-3, 4)                          D (4, -3)
12. Identify the coordinates of Point A after it is reflected across the y-axis.

## Rational Explorations: Numbers and their Opposites

13. Find the perimeter of the rectangle.



- A  $17\frac{1}{2}$                       C 21  
B 18                          D 25

### Free Response

14. Write 12.225 as a fraction or mixed number in simplest form.

15. Write  $\frac{3}{8}$  as a decimal.

16. Compare. Write  $<$ ,  $>$ , or  $=$ .

$$\frac{7}{16} \text{ — } \frac{4}{9}$$

17. Order the fractions from least to greatest:

$$\frac{8}{9}, \frac{7}{12}, \frac{3}{4}$$

18. Haley's checking account is overdrawn by \$52.

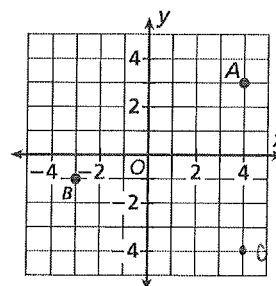
19. What is the opposite of the integer  $-19$ ?

20. Order  $-363$ ;  $-365$ ;  $-362$ ;  $-370$  from least to greatest.

21. Order from least to greatest.

$$.46, \frac{4}{10}, .046, \frac{1}{10}, -4$$

Use the figure below for 22–23.



22. What is the distance between points A and C?

23. Find the coordinates of Point A after it is reflected across the x-axis.

24. What is the perimeter of the rectangle  $(-3, 12)$ ,  $(-3, -8)$ ,  $(5, 12)$ ,  $(5, -8)$ ?

25. What is the absolute value of 11?

26. What is the absolute value of  $-34$ ?