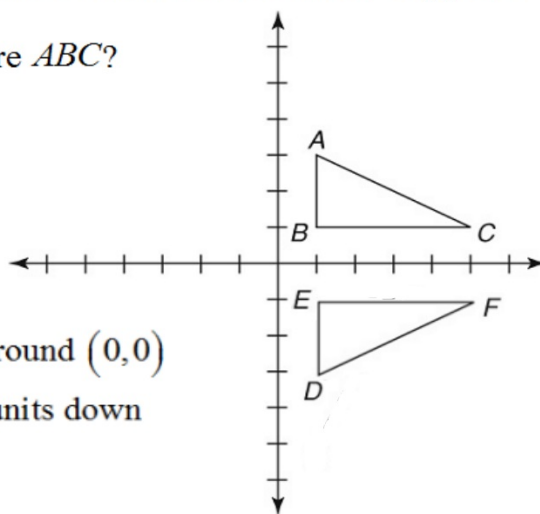


Name

Spiral Review 18

Directions: Show your work for credit. Use your notes and textbook for support

1. How has figure DEF been transformed to form figure ABC ?



- a. reflection across x -axis
- b. 180° rotation around $(0,0)$
- c. 90° rotation around $(0,0)$
- d. translation 2 units down

2. Which expression is equivalent to $\frac{2^6 \times 2^{-4}}{2^7}$?

Show your work

A $\frac{1}{32}$

C 16

B $\frac{1}{16}$

D 32

3. Solve for y .

$$6y - 3(y + 5) = 3(y - 2)$$

Show your work

- a. Infinitely many solutions
- b. One solution
- c. No solutions
- d. The number of solutions cannot be determined.



4. What is the solution of the linear system?

Show your work

$$-x - 8y = -7$$

$$2x + 8y = 6$$

a. $(-1, 1)$

c. $(-1, -1)$

b. $(0, 0)$

d. No Solution

5. Rotate quadrilateral $MATH$ 90° clockwise with the center of rotation being the origin. Write the coordinates of $M'A'T'H'$

M' _____

A' _____

T' _____

H' _____

