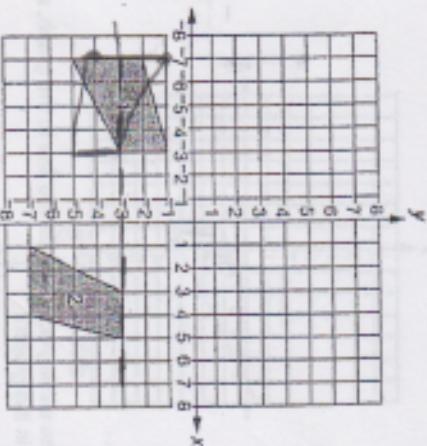


MULTIPLE CHOICE

QUESTION #25

Use the graph to answer the question.



Which pair of transformations moves quadrilateral 1 to quadrilateral 2?

- A. reflect it over the line $y = -3$, then rotate it 90° counterclockwise about the origin
 B. reflect it over the x -axis, then rotate it 180° about the origin
 C. rotate it 90° counterclockwise about point $(-3, -3)$, then translate it 8 units to the right
 D. translate it 8 units to the right, then reflect it over the line $y = -3$

QUESTION #26

Which expression is equivalent to $(9^{-2})^{67}$?

- A. -81^{32}

B. $\frac{1}{9^{16}}$

C. $\frac{1}{9^{10}}$

- D. 81^6

$$9^{-2} \times 9^6 \\ 9^{-2+6} \\ 9^4 \\ \frac{1}{9^{-4}} \\ \frac{1}{9^4} \\ \frac{1}{9^{16}}$$

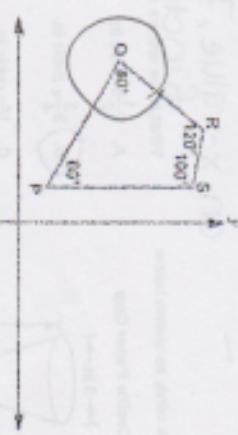
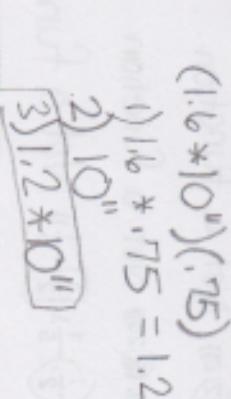
QUESTION #27

There were approximately 1.6×10^{11} pieces of mail processed by the United States Postal Service in 2012. This is about 75% of the number of pieces of mail processed by the United States Postal Service in 2006?

- A. 1.2×10^{10}
 B. 1.2×10^{11}
 C. 2.13×10^{10}
 D. 2.13×10^{11}

QUESTION #28

Use the graph below to answer the question.



(2) (C) The

value of

angle QRP is

less than

180°.

Quadrilateral PQRS will be rotated 90° clockwise about the origin resulting in quadrilateral

P'Q'R'S'. Which statement is true?

- A. \overline{RS} will be parallel to $\overline{R'S'}$.
 B. \overline{SP} will be parallel to $\overline{R'S'}$.
 C. The measure of $\angle P'$ will be 80° .
 D. The measure of $\angle Q'$ will be 80° .