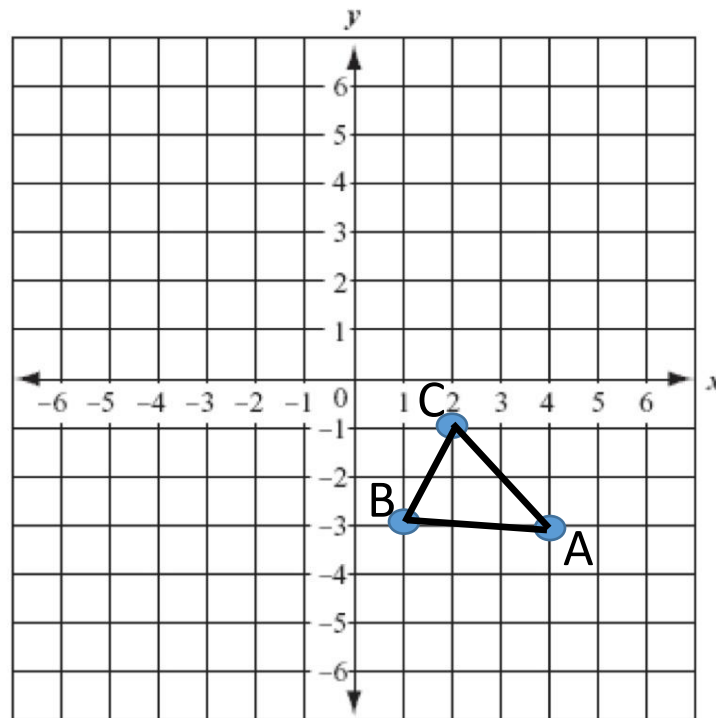


1.

Describe the following transformation from ABC to $A'(3, 4)$, $B'(3, 1)$ $C'(1, 2)$



- | | | |
|----|-------------------------|---------------|
| A) | Reflection x-axis | Beyonce |
| B) | Rotation 90° cw | Tom Brady |
| C) | Reflection y-axis | Jenifer Lopez |
| D) | Rotation 270° cw | Cam Newton |

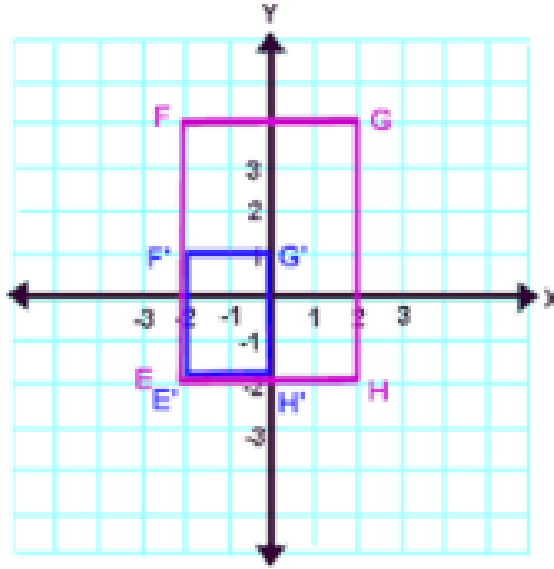
2

Given the point $(-2, 7)$, where will its image be after the translation $(x, y) \rightarrow (2x + 4, 3y - 7)$

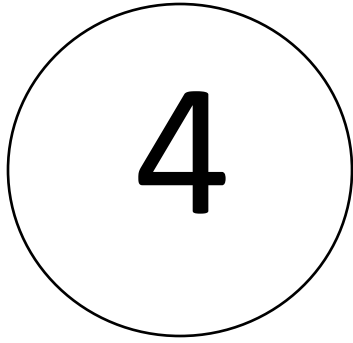
- A) $(0, 21)$ upset
- B) $(8, 14)$ nervous
- C) $(0, 28)$ excited
- D) $(0, 14)$ surprised

3

What is the center of the dilation?



- A) $(0, 1)$ playing basketball
- B) $(-2, 4)$ bowling
- C) $(0, 0)$ going fishing
- D) $(-2, -2)$ playing tennis



Put the following steps
in the correct order

1	Find the perpendicular bisector
2	Draw a circle
3	Connect the points on the circle
4	Draw a diameter
5	Draw an angle
6	Draw a radius

A) 2, 4, 5, 3

B) 5, 2, 1, 3

C) 2, 4, 1, 3

D) 2, 6, 1, 3

Taylor swift

Big Pappi

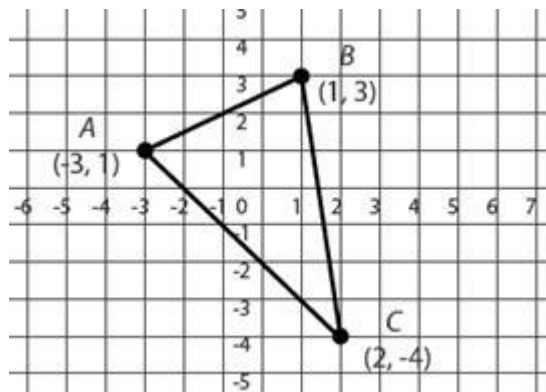
Lebron James

Rihanna

5

Describe the following transformation if

$A' (3, 1)$, $B' (-1, 3)$, $C' (-2, -4)$



- A) Reflection x-axis
- B) Reflection y-axis
- C) Rotation 90°
- D) Rotation 270°

- Winter Break
- 4th of July
- Valentines Day
- Mothers Day

6

The image of $(12, -28)$ after a dilation with respect to the origin is $(6, -14)$. What is the scale factor of the dilation?

A) $\frac{1}{2}$

B) 4

C) 3

D) 2

DCHS

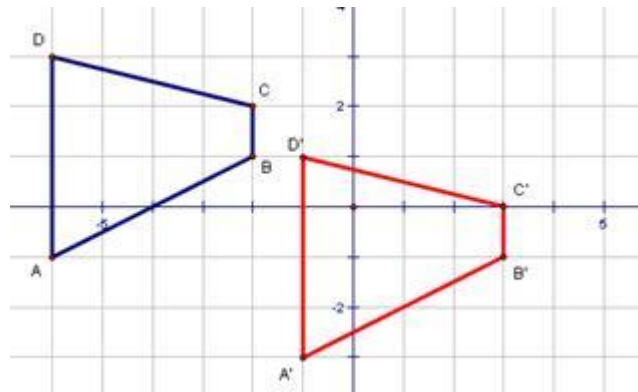
Chapel Hill

New Manchester

Lithia Springs

7

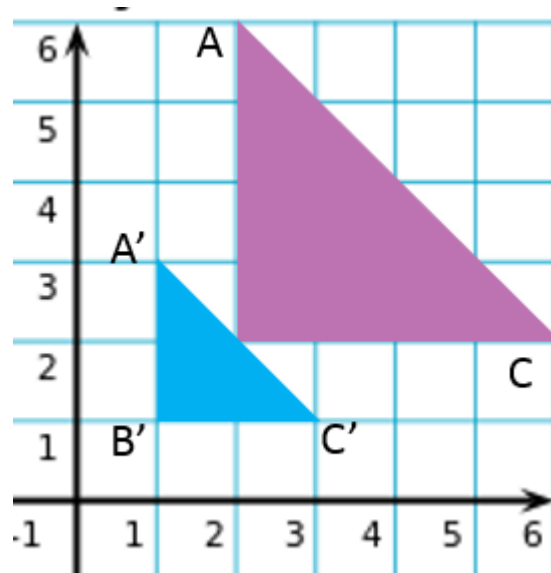
What transformation is illustrated below?



- A) reflection
 - B) translation
 - C) transformation
 - D) rotation
 - E) dilation
- the courtyard
the auditorium
the gym
the cafeteria
the football field

8

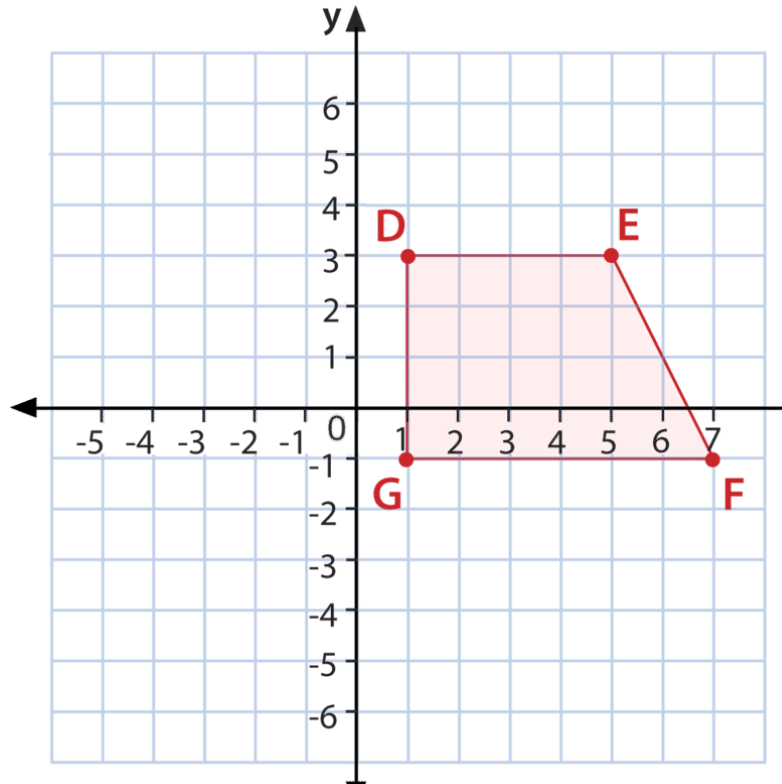
What is the center of the dilation?



- A) (0, 0) a T-Rex Costume
- B) (1, 1) a Tutu
- C) (2, 2) a Falcons Jersey
- D) (6, 2) a Tiara

9

Describe the following transformation from DEGF to $D'(1, -3)$, $E'(5, -3)$, $G'(1, 1)$, $F'(7, 1)$.

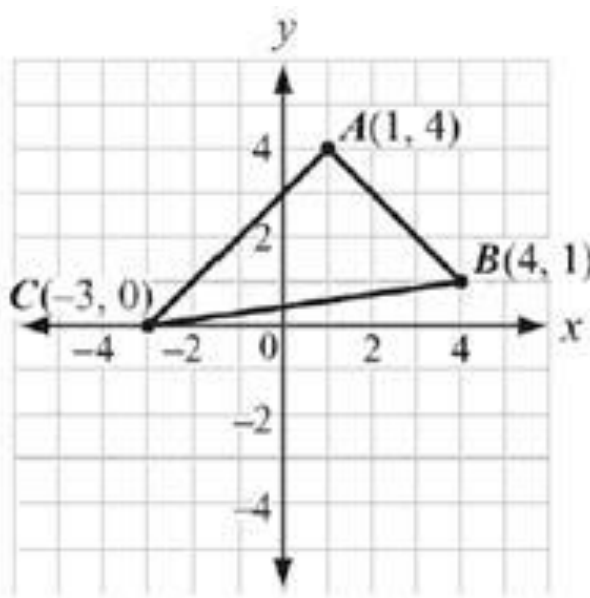


- | | |
|----------------------------|-------------------|
| A) Reflection x-axis | drinking Gatorade |
| B) Rotation 90° cw | eating Cheetos |
| C) Rotation 270° cw | hula hooping |
| D) Reflection y-axis | selling T-shirts |

10

Describe the following transformation from the graph below to

$A'(-1, -4)$, $B'(-4, -1)$, $C'(3, 0)$



- A) Rotation 180° cw help hurricane victims
- B) Rotation 270° cw raise money
- C) Rotation 90° cw help save animals
- D) Reflection $x=y$ buy an airplane

Name: _____ Date: _____ Period: ____

1

2

3

4

5

6

7

8

9

10

Name: _____ Date: _____ Period: _____

MATH LIB PUZZLE:

(1) _____ was (2)

_____ to be

(3) _____ with

(4) _____

on (5) _____

at (6) _____ in

(7) _____ wearing (8)

_____ while (9) _____ to

(10) _____.