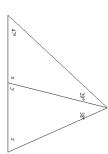
math8\_02\_examples\_notes.gwb - 1/32 - Sat Dec 07 2019 13:11:24

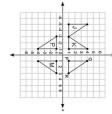


- Find the values of x, y, and z. a.  $x = 104^\circ$ ;  $y = 76^\circ$ ;  $z = 66^\circ$ b.  $x = 38^\circ$ ;  $y = 142^\circ$ ;  $z = 66^\circ$
- C.  $x = 104^{\circ}$ ;  $y = 29^{\circ}$ ;  $z = 66^{\circ}$ d.  $x = 76^{\circ}$ ;  $y = 104^{\circ}$ ;  $z = 0^{\circ}$

math8\_02\_examples\_notes.gwb - 3/32 - Sat Dec 07 2019 13:14:42

ExamView

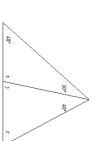
The figure shows triangle PQR and some of its transformed images on a coordinate grid:



Which of the four triangles was formed by a translation of triangle PQR?

ExamView

math8\_02\_examples\_notes.gwb - 2/32 - Sat Dec 07 2019 13:13:52



www.mrtownsend.com

$$x = 40^{\circ}; y = 140^{\circ}; z = 6$$

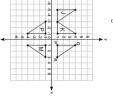
Find the values of x, y, and z.  
a. 
$$x = 40^{\circ}$$
,  $y = 140^{\circ}$ ,  $z = 62^{\circ}$   
b.  $x = 78^{\circ}$ ,  $y = 102^{\circ}$ ,  $z = 0^{\circ}$ 

c. 
$$x = 102^{\circ}; y = 30^{\circ}; z = 62^{\circ}$$
  
d.  $x = 102^{\circ}; y = 78^{\circ}; z = 62^{\circ}$ 

ExamView

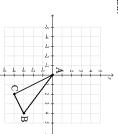
math8\_02\_examples\_notes.gwb - 4/32 - Sat Dec 07 2019 13:15:34

The figure shows triangle PQR and some of its transformed images on a coordinate grid:



Which of the four triangles was formed by a reflection of triangle PQR over the x-axis?

Triangle ABC is translated 3 units left and 1 units up. Which algebraic rule matches this translation?



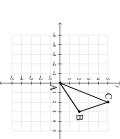
a. 
$$T(x,y) \to (x-3,y-1)$$
  
b.  $T(x,y) \to (x+3,y-1)$ 

c. 
$$T(x,y) \to (x-3,y+1)$$
  
d.  $T(x,y) \to (x+3,y+1)$ 

math8\_02\_examples\_notes.gwb - 7/32 - Sat Dec 07 2019 13:19:54

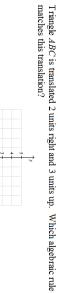
Powered by ExamView

Triangle ABC is translated 6 units left and 2 units down. Which algebraic rule returns it to its original location?



a. 
$$T(x,y) \to (x-6,y+2)$$
  
b.  $T(x,y) \to (x+6,y-2)$ 

c. 
$$T(x,y) \to (x+6,y+2)$$
  
d.  $T(x,y) \to (x-6,y-2)$ 



www.mrtownsend.com

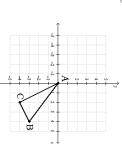
a. 
$$T(x,y) \to (x+2,y-3)$$
  
b.  $T(x,y) \to (x-2,y-3)$ 

c. 
$$T(x, y) \rightarrow (x + 2, y + 3)$$
  
d.  $T(x, y) \rightarrow (x - 2, y + 3)$ 

ExamView

math8\_02\_examples\_notes.gwb - 8/32 - Sat Dec 07 2019 13:21:15

Triangle ABC is translated 4 units left and 7 units up. Which algebraic rule returns it to its original location?



a. 
$$T(x,y) \to (x-4,y-7)$$
  
b.  $T(x,y) \to (x+4,y-7)$ 

c. 
$$T(x,y) \to (x+4,y+7)$$
  
d.  $T(x,y) \to (x-4,y+7)$ 

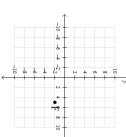
Point G' is the image of G(-7, 1) under a reflection across the x-axis. What are the coordinates of the image.

a. (-7, 1)b. (-7, -1)c. (7, -1)d. (7, 1)

math8\_02\_examples\_notes.gwb - 11/32 - Sat Dec 07 2019 13:24:32

ExamView

What are the coordinates of F' after point F is reflected across the y-axis.





a. (7, -7) b. (-7, -7)

ExamView

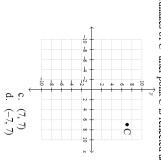
Point D' is the image of D(6, 2) under a reflection across the y-axis. What are the coordinates of the image.

www.mrtownsend.com

notes.gwb - 12/32 - Sat Dec 07 2019 13:25:19

ExamView

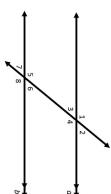
What are the coordinates of C' after point C is reflected across the x-axis.



math8\_02\_examples\_notes.gwb - 13/32 - Sat Dec 07 2019 13:27:10

ExamView

Which of the following angle pairs are identified correctly?

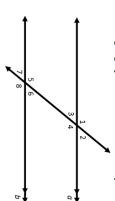


- a. Alternate Interior: ∠4 and ∠5
  b. Alternate Exterior: ∠1 and ∠8
  c. Corresponding: ∠4 and ∠6
  d. Consecutive Interior: ∠8 and ∠4

math8\_02\_examples\_notes.gwb - 15/32 - Sat Dec 07 2019 13:30:05

ExamView 3

Which of the following angle pairs are identified incorrectly?

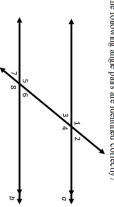


- a. Alternate Exterior: ∠5 and ∠4
  b. Corresponding: ∠3 and ∠7
  c. Alternate Interior: ∠7 and ∠2
  d. Consecutive Interior: ∠5 and ∠3 Consecutive Interior:  $\angle 5$  and  $\angle 3$

ExamView

math8\_02\_examples\_notes.gwb - 14/32 - Sat Dec 07 2019 13:28:59

Which of the following angle pairs are identified correctly?



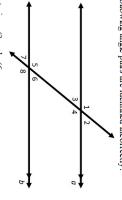
www.mrtownsend.com

- a. Alternate Exterior: ∠6 and ∠3
  b. Consecutive Interior: ∠4 and ∠3
  c. Alternate Interior: ∠2 and ∠7
  d. Corresponding: ∠7 and ∠3 Alternate Exterior: ∠6 and ∠3
  Consecutive Interior: ∠4 and ∠6
  Alternate Interior: ∠2 and ∠7

math8\_02\_examples\_notes.gwb - 16/32 - Sat Dec 07 2019 13:31:19

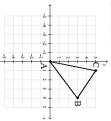
ExamView

Which of the following angle pairs are identified incorrectly?



- Consecutive Interior: ∠8 and ∠4
- a. Alternate Interior. ∠3 and ∠6
  b. Corresponding: ∠4 and ∠6
  c. Alternate Exterior: ∠7 and ∠2
  d. Consecutive Interior: ∠8 and ∠4

locations for the image are correct? Triangle ABC is translated 6 units left and 1 units down. Which of the following



- a. A'(-5, -2) b. C'(-6, 3) c. A'(-6, -1)

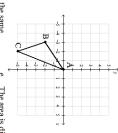
њę.

B'(-2, 2) C'(-5, 4) B'(-1, 1)

math8\_02\_examples\_notes.gwb - 19/32 - Sat Dec 07 2019 13:34:44

ExamView 3

Which of the following are correct about the image? Triangle ABC is translated 3 units right and 4 units up to form triangle A'B'C'.



- e e e The perimeter is the same.

  The perimeter is different.

  The orientation is different.
- The area is the same.

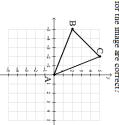
Þ. áo

f. e. The location is different.
The location is the same.
The orientation is the same. The area is different.

ExamView

math8\_02\_examples\_notes.gwb - 18/32 - Sat Dec 07 2019 13:33:38

following locations for the image are correct? Triangle ABC is translated 2 units right and 2 units down. Which of the

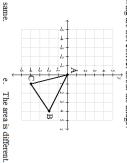


- a. C'(-1, 2) b. A'(1, -1) c. A'(2, -2)
- d. C'(0, 3) e. B'(-3, 0) f. B'(-4, -1)

## ExamView

math8\_02\_examples\_notes.gwb - 20/32 - Sat Dec 07 2019 13:35:33

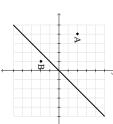
Which of the following are not correct about the image? Triangle ABC is translated 2 units left and 2 units up to form triangle A'B'C'.



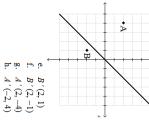
- a. The area is the same.b. The orientation is different.c. The location is different.d. The location is the same.
- ip, aid
- The perimeter is the same.
  The orientation is the same.
  The perimeter is different.



When the line of reflection is y = x, which of the following are correct?



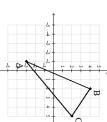
- д. с. в. A'(2, -4) A'(2, 4) B'(-2, 1) B'(-2, -1)



math8\_02\_examples\_notes.gwb - 23/32 - Sat Dec 07 2019 13:43:42

## ExamView

When triangle ABC is rotated  $180\ {\rm degrees}\ {\rm clockwise}$  about the origin, which of the following are true?

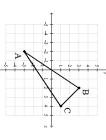


- ç. p. a . C'(5, 2) . A'(-1, -3) . C'(-5, -2)
- d. B'(-2, -4) e. B'(2, 4) f. A'(1, 3)

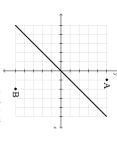
math8\_02\_examples\_notes.gwb - 24/32 - Sat Dec 07 2019 13:45:41



When triangle ABC is rotated 180 degrees counter clockwise about the origin, which of the following are true?



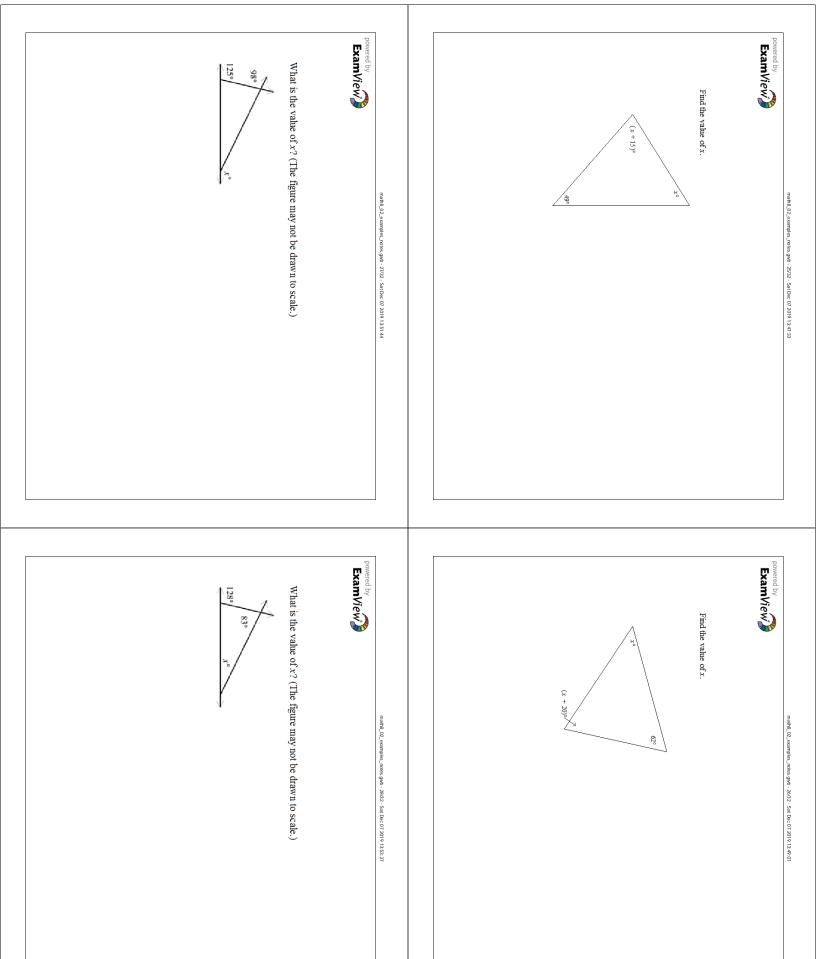
- a. C'(4, 1) b. B'(-2, -3) c. C'(-4, -1)
- d. B'(2, 3) e. A'(2, 3) f. A'(-2, -3)



www.mrtownsend.com

- B'(-5, 2) A'(5, 1) A'(-5, 1) B'(5, 2)

a. B'(5, -2) b. A'(-5, -1) c. A'(5, -1) d. B'(-5, -2)

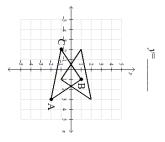


www.mrtownsend.com

ExamView



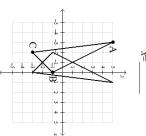
Complete the equation for the line of reflection in the following graph.



math8\_02\_examples\_notes.gwb - 31/32 - Sat Dec 07 2019 13:55:43



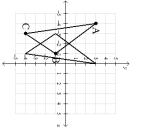
Complete the equation for the line of reflection in the following graph.



ExamView

math8\_02\_examples\_notes.gwb - 32/32 - Sat Dec 07 2019 14:00:26

Complete the equation for the line of reflection in the following graph.



8

www.mrtownsend.com