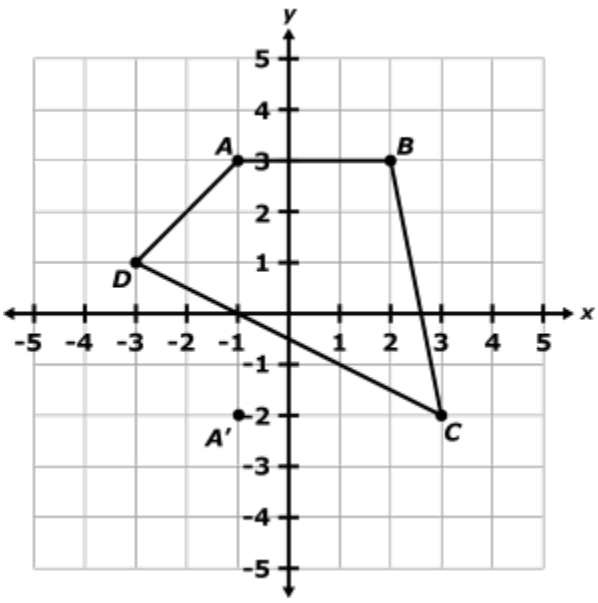
Directions: Answer the following question(s).

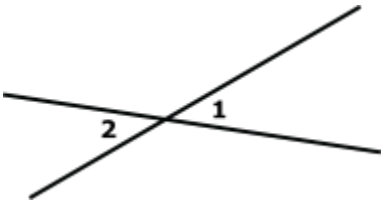
1 **Quadrilateral *ABCD* is translated 5 units down into a quadrilateral *A'B'C'D'*. The position of *A'* is shown.**



Enter the coordinates where *B'* should be.

2 **The segment *PQ* has endpoints *P*(–3, –1) and *Q*(–3, 2). The segment *PQ* is translated 4 units left into segment *P'Q'*. The endpoint of segment *P'Q'* is *P'*(–7, –1). Enter the coordinates of the other endpoint, *Q'*, of the segment *P'Q'*.**

3 **What can be said about ∠1 and ∠2?**



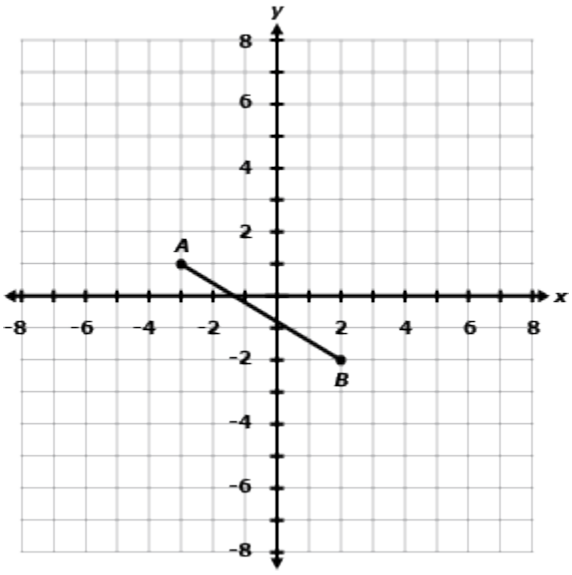
A. ∠1 and ∠2 are complements
B. ∠1 and ∠2 are congruent
C. ∠1 and ∠2 are supplements
D. ∠1 and ∠2 are adjacent

4 **Which set of coordinates is a square located in quadrant IV?**

A. (2 , 3), (2 , 6), (5 , 6), (5 ,3)
B. (–8 , 8), (–8 , 6), (–6 , 6), (–6 , –8)
C. (1 , –4), (1 , –7), (5 , –7), (5 , –4)
D. (2 , –2), (2 , –7), (7 , –7), (7 , –2)

Directions: Answer the following question(s).

5 **Which set of coordinates demonstrate a translation of line $\overline{AB}$ up 3 units and left 1 unit?**



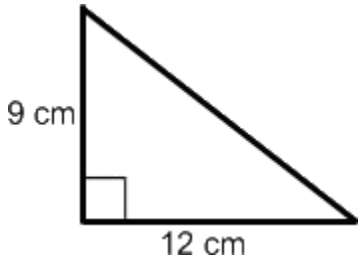
A. (4 , –2), (1 , 3)
B. (–4 , 4), (1 , 1)
C. (–2 , 4), (3 , 1)
D. (4 , –4), (1 , 1)

6 **Rectangle *NOPQ* has vertices of *N* (–3 , 4), *O* (–3 , –3), *P* (5 , 4) and *Q* (5 , –3). The area of this rectangle is _____ square units.**

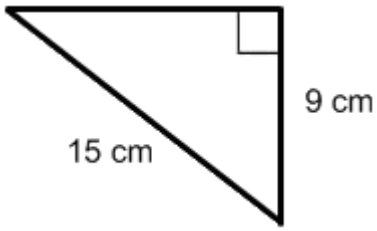
A. 2
B. 30
C. 49
D. 56

Directions: Answer the following question(s).

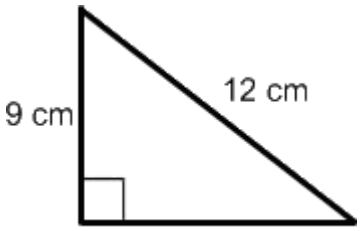
7 **Which triangle is congruent to the figure below?**



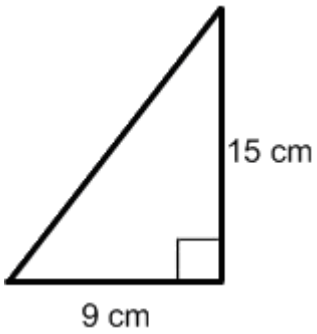
A.



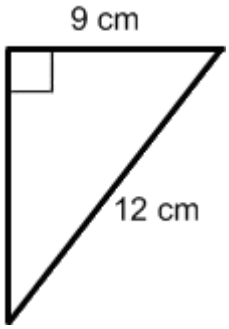
B.



C.

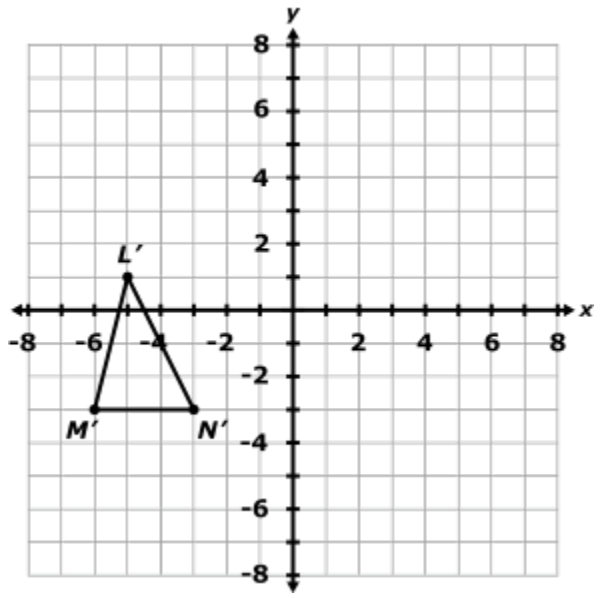


D.



Directions: Answer the following question(s).

8



$\Delta L'M'N'$ was created by translating a triangle 4 units down and 2 units to the right. What were the coordinates of the original triangle, ΔLMN?

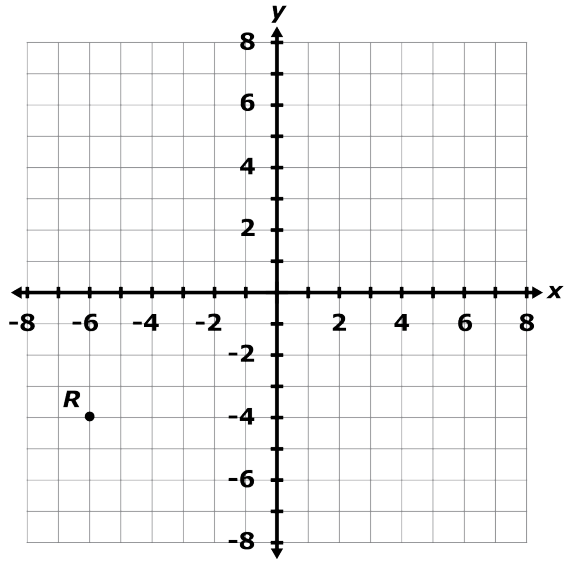
A. $L(-3, -3)$, $M(-4, -7)$, $N(-1, -7)$

B. $L(-3, 5)$, $M(-4, 1)$, $N(-1, 1)$

C. $L(-7, 5)$, $M(-8, 1)$, $N(-5, 1)$

D. $L(-9, 3)$, $M(-10, -1)$, $N(-7, -1)$

9



Point R has coordinates of (–6, –4). If line segment $\overline{RS}$ is 7 units in length, which answer choice could be the coordinates for point S?

A. (1 , –4)

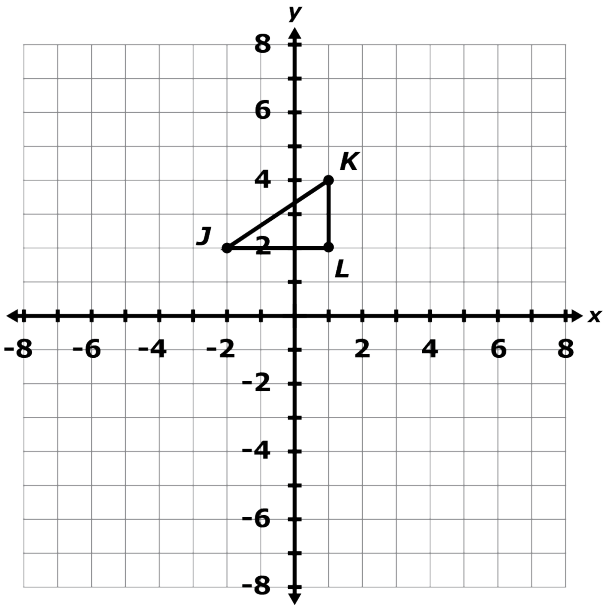
B. (1 , 3)

C. (–3 , 0)

D. (–2 , –7)

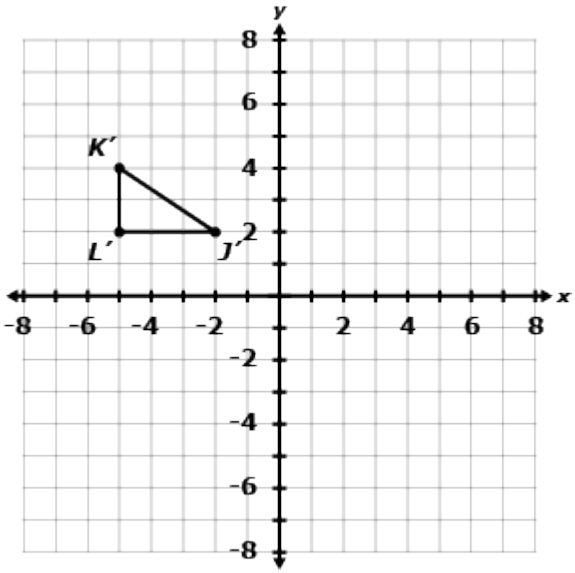
Directions: Answer the following question(s).

10 **Look at Triangle *JKL* on the coordinate plane.**

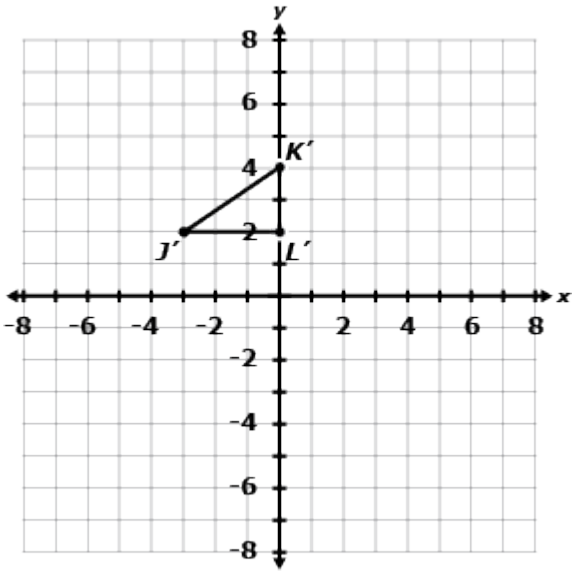


Which coordinate plane shows Triangle *JKL* after a translation 1 unit to the left?

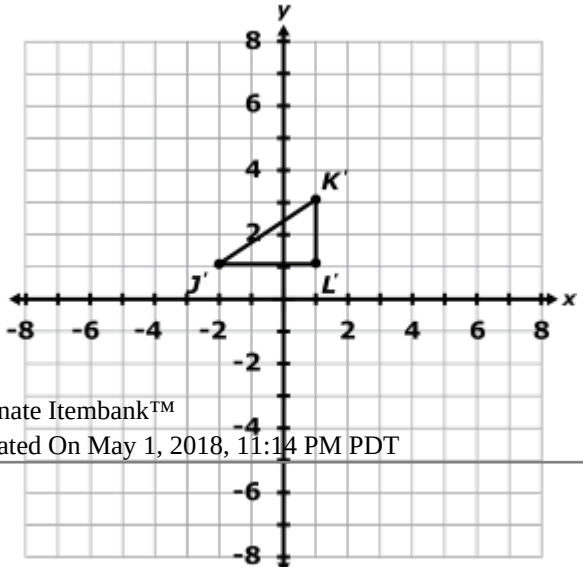
A.



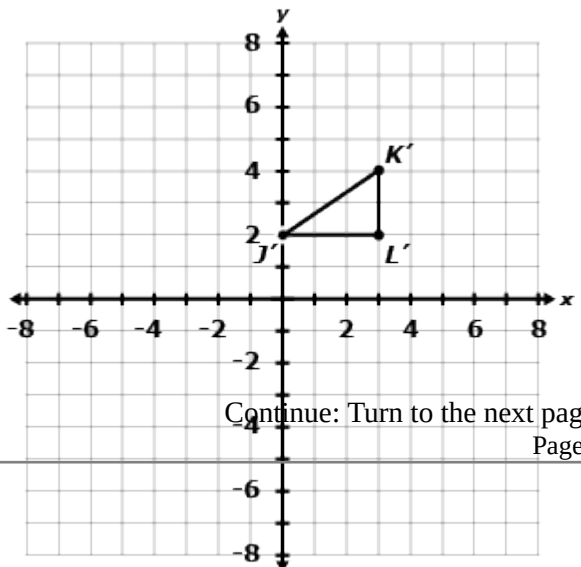
C.



B.



D.



Directions: Answer the following question(s).