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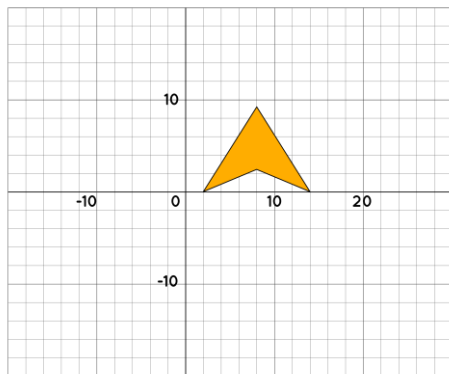
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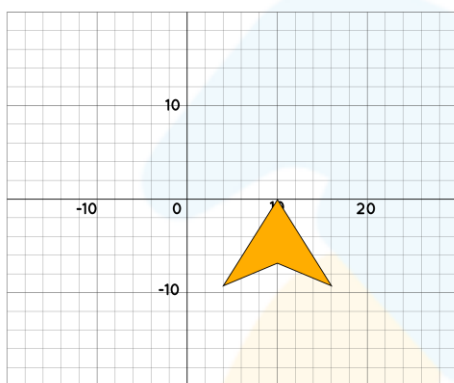
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TRANSFORMATION WORKSHEET II

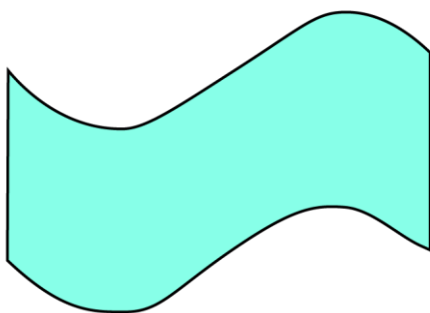
- 1) On translating the given figure by 10 units down and 2 units right. What will be the new position?

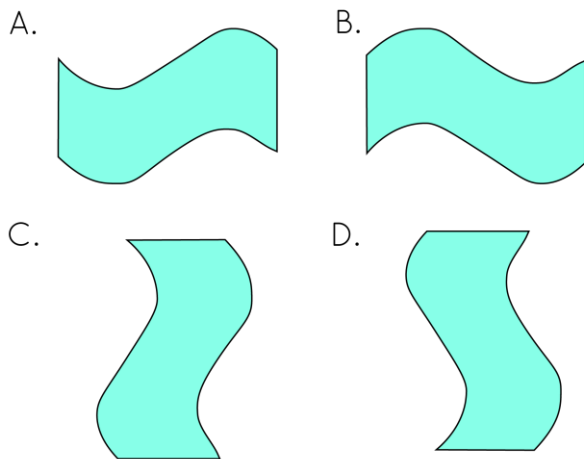


Answer:

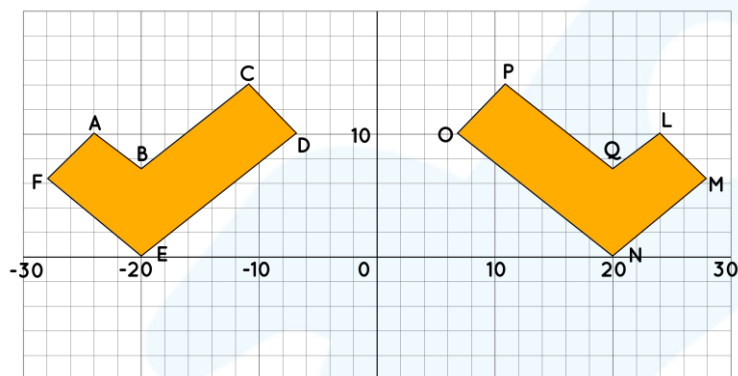


- 2) Which of the following shows rotation of the following figure 90 degree anti-clockwise?



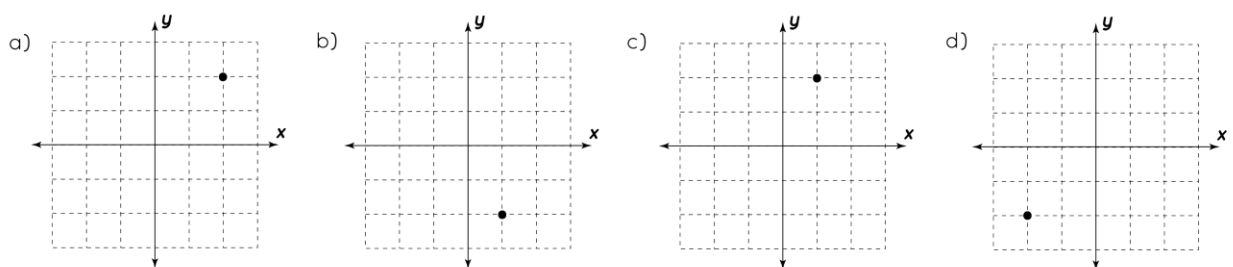
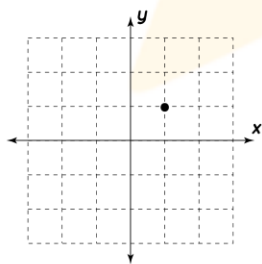


3) Name the transformation done to the figure ABCDEF shown below:



a) Rotation b) Reflection c) Translation

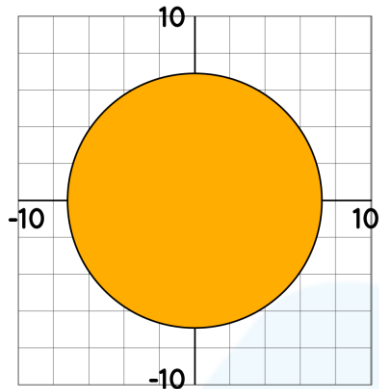
4) If we translate the given point by 3 units left and 3 units down, the new position will be:



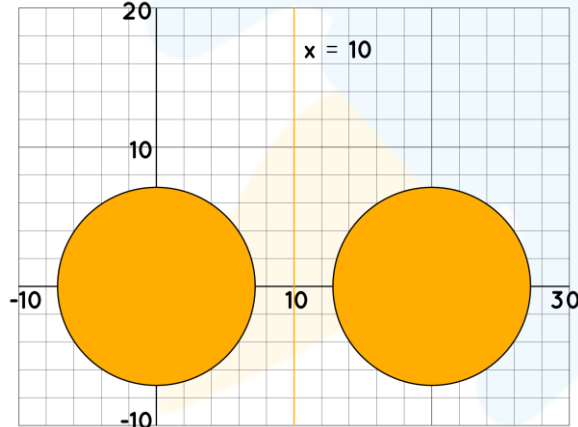
5) If we rotate the point $(1, -9)$ 90 degrees clockwise about the origin. The new location of the point will be _____.

6) If line $y = 0$ is rotated 90 degrees clockwise, the new equation of the line will be:
a) $x = 0$ b) $y = 0$ c) $y = 1$ d) None of the above.

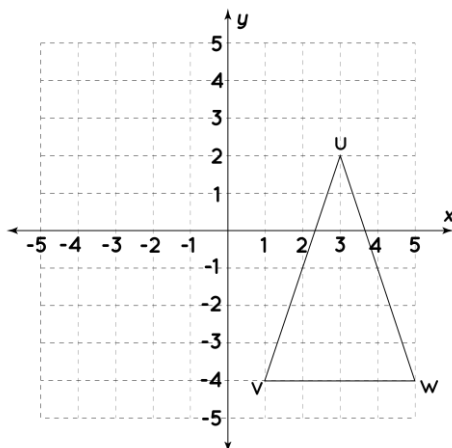
7) What will be the reflection of the given circle about the line $x = 10$?



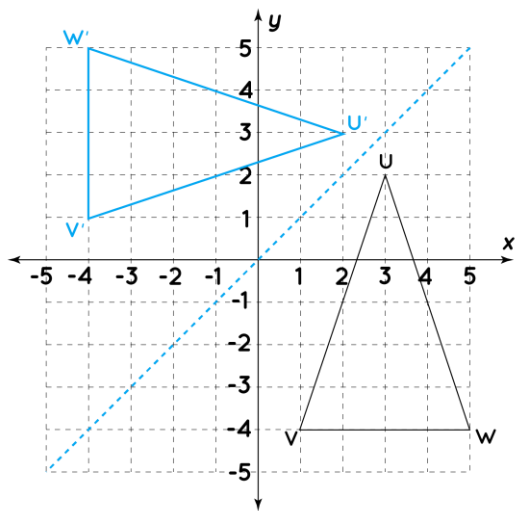
Answer:



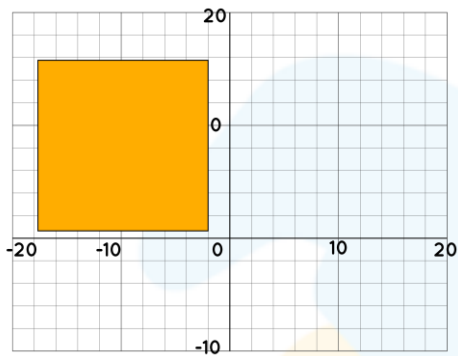
8) Find the reflection of the given triangle along $y = x$ line.



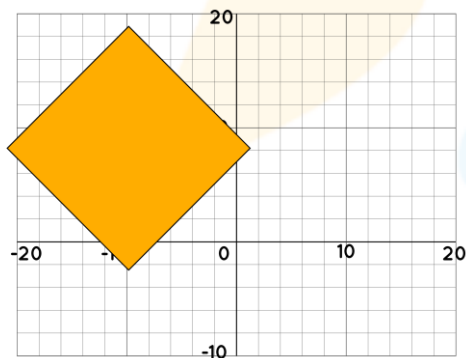
Answer:



9) Rotate the given square by 45 degrees.



Answer:



10) What will be the new position of a point (5, 6) on translating it through 5 unit down and 6 unit up.

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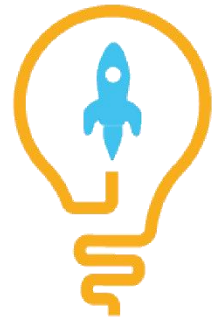
- Kirk Riley

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**ANSWERS**

1)	
2)	d
3)	b
4)	d
5)	$(-9, 1)$
6)	a
7)	
8)	
9)	
10)	$(5, 7)$