

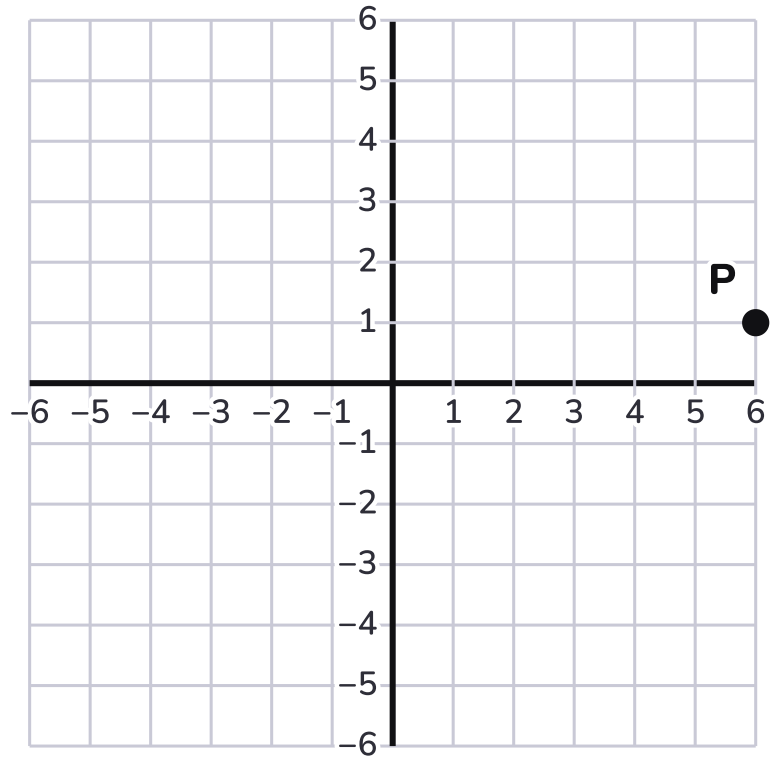
Coordinate Translation

Grade 5-6 · Ages 10-12 · Math · Geometry · ★★

Translate each point as described, or describe the translation shown.

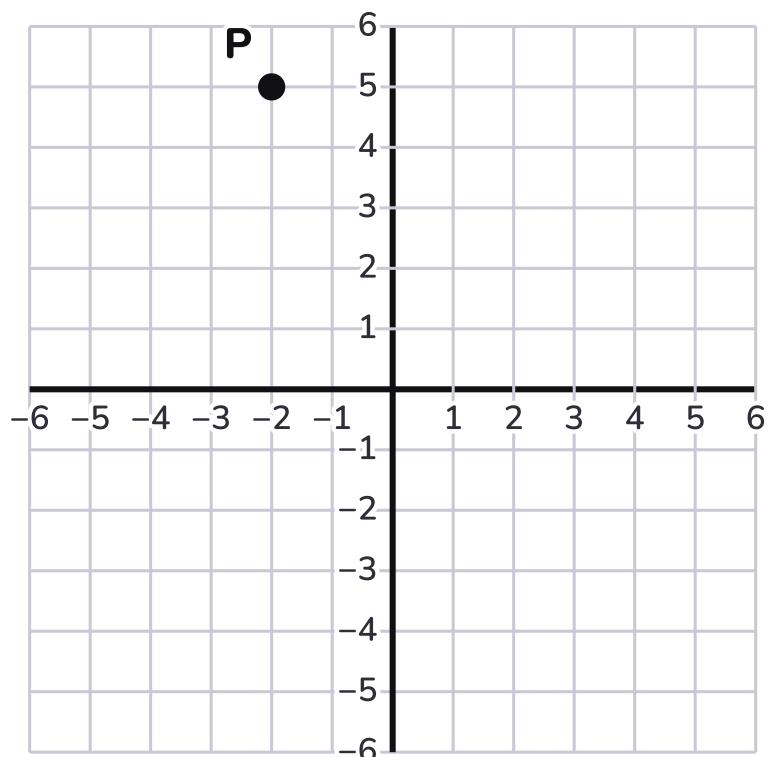
- Point P is at (6, 1). Translate it 6 units left and 4 units down. What are the new coordinates?

(_____ , _____)



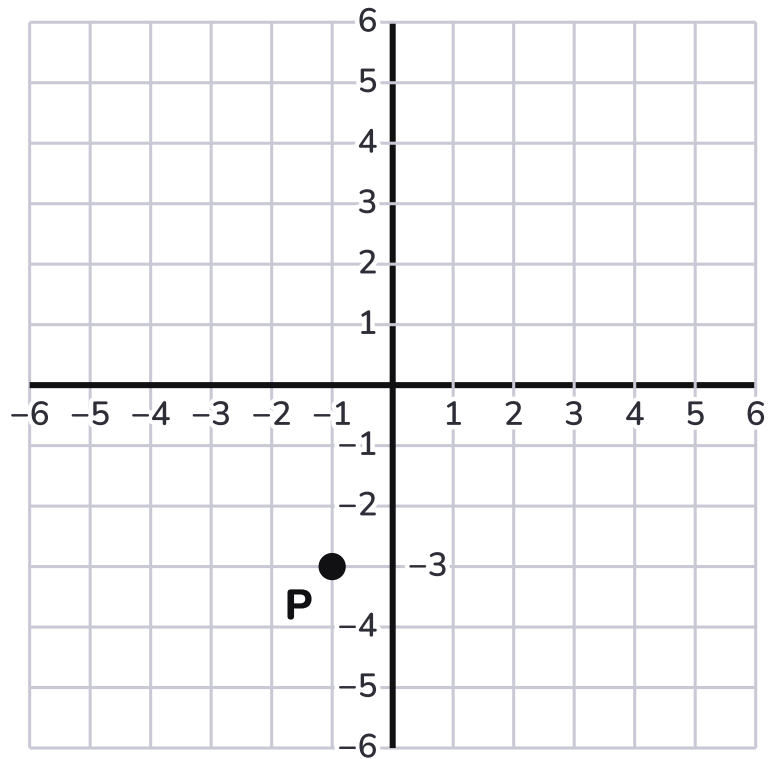
- Point P is at (-2, 5). Translate it 4 units right and 5 units down. What are the new coordinates?

(_____ , _____)



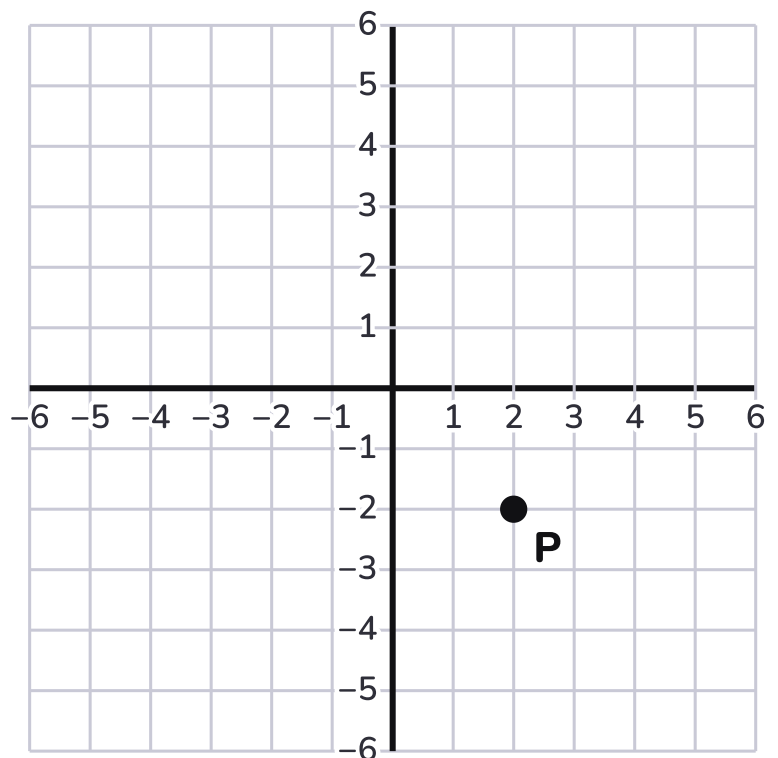
3. Point P is at $(-1, -3)$. Translate it 1 unit right and 5 units up, then 2 units left and 4 units down. What are the coordinates of the final point?

(_____ , _____)



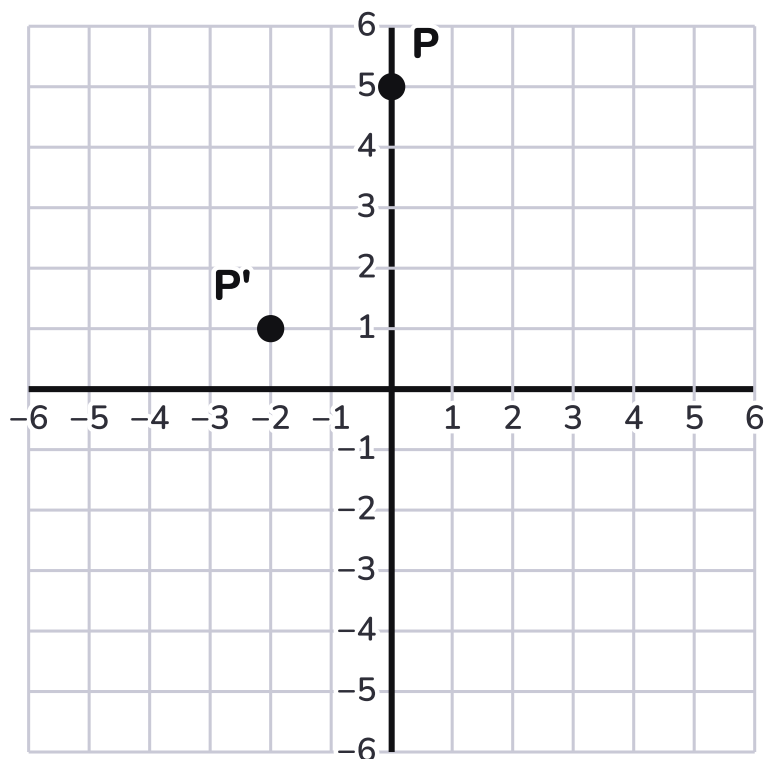
4. Point P is at $(2, -2)$. Translate it 4 units left and 3 units up, then 5 units right and 2 units down. What are the coordinates of the final point?

(_____ , _____)



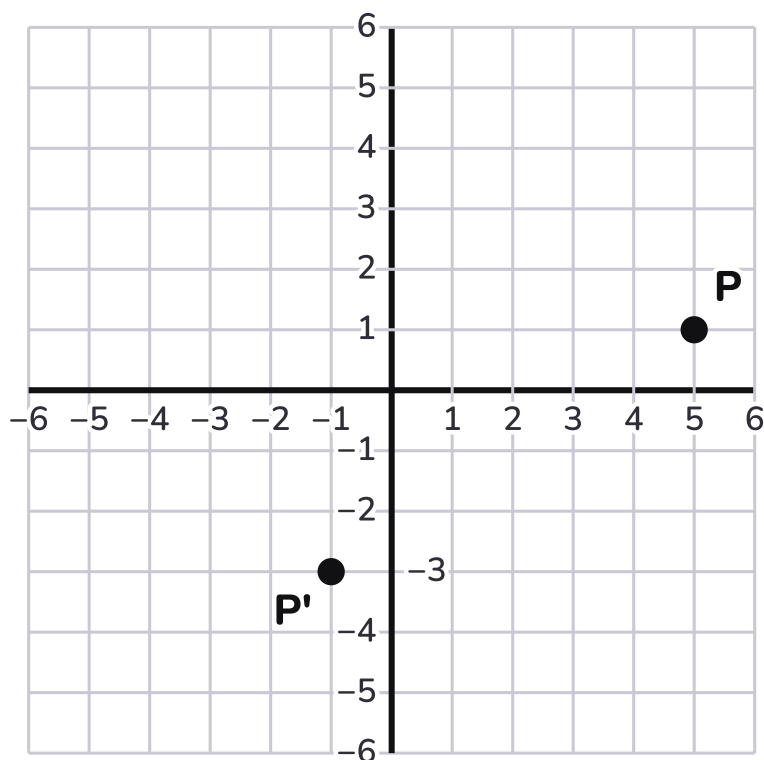
5. Point $P(0, 5)$ was translated to $P'(-2, 1)$. Describe the translation.

The translation:



6. Point $P(5, 1)$ was translated to $P'(-1, -3)$. Describe the translation.

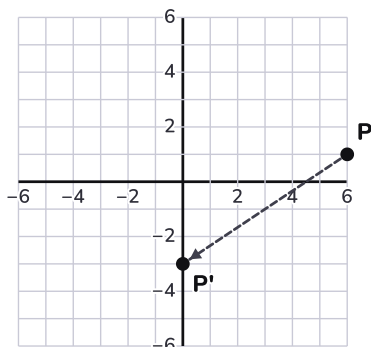
The translation:



Coordinate Translation

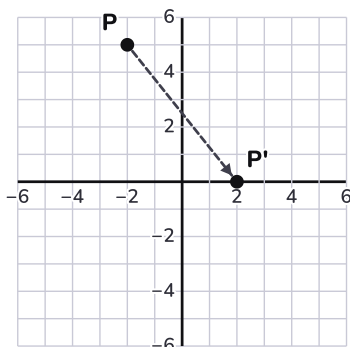
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1.



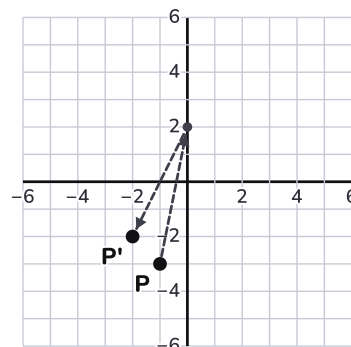
Answer: (0, -3)

2.



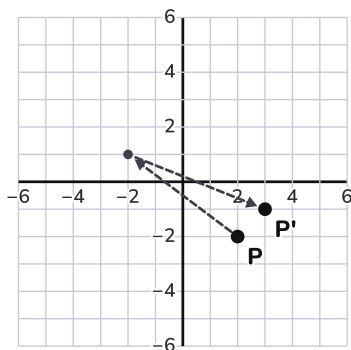
Answer: (2, 0)

3.



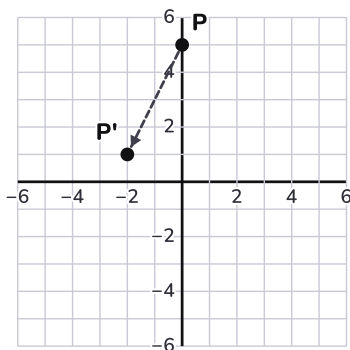
Answer: (-2, -2)

4.



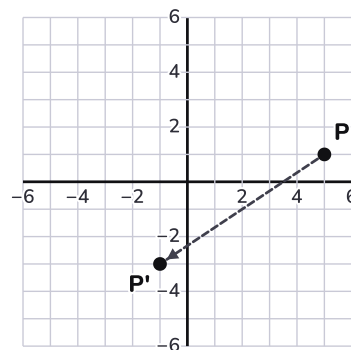
Answer: (3, -1)

5.



Answer: 2 units left and 4 units down

6.



Answer: 6 units left and 4 units down