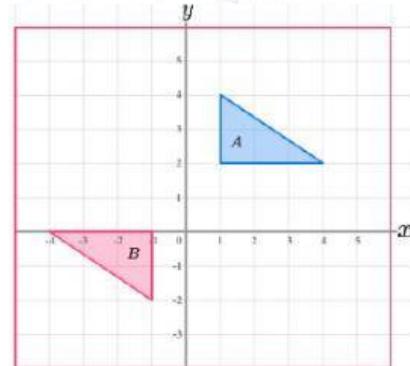


Worksheet 1: Combined transformation

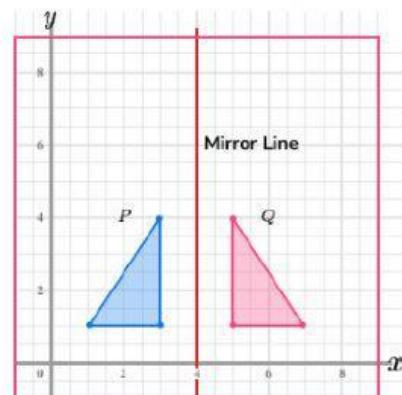
1) Which of the following transformation is performed in the image below?

- a) Rotation
- b) Reflection
- c) Translation
- d) None of the above



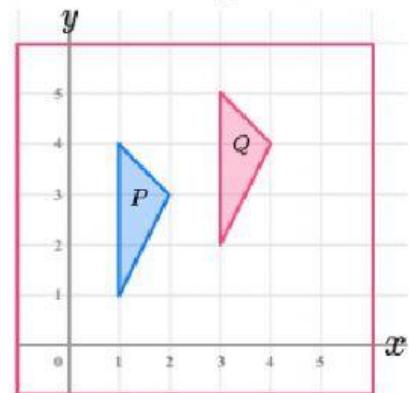
2) Which of the following transformation is performed in the image below?

- a) Rotation
- b) Reflection
- c) Translation
- d) None of the above



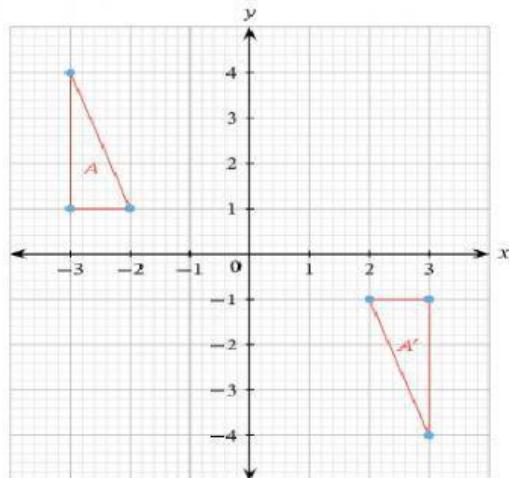
3. Which of the following transformation is performed in the image below?

- a) Rotation
- b) Reflection
- c) Translation
- d) None of the above



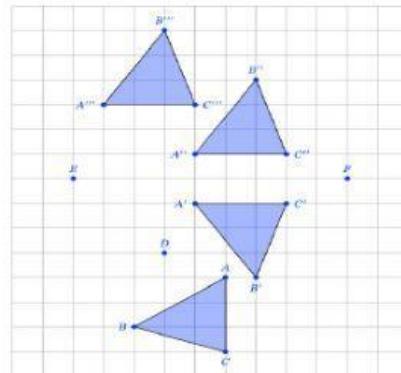
4. In the given figure, triangle A has been transformed to triangle A' by reflecting first in the y -axis and then reflecting in the x -axis. What single transformation would transform A to A' ?

- a) Rotation
- b) Reflection
- c) Translation
- d) None of the above



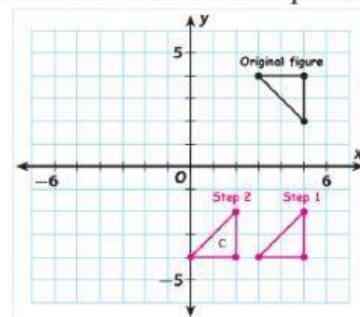
5. The triangle ABC has been transformed onto triangle $A'B'C'$ which has then been transformed onto triangle $A''B''C''$ then transformed onto $A'''B'''C'''$ as seen in the figure. Which combined transformation would result ABC to $A'''B'''C'''$?

- a) Rotate, reflect and translate
- b) Reflect, rotate and translate
- c) Translate, reflect and rotate
- d) Rotate, translate and reflect



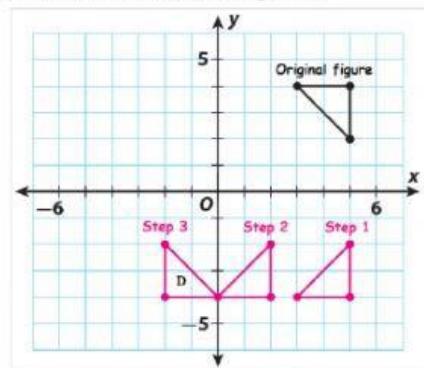
6. Which of the following combined transformation would result in shape C?

- a) Reflect and rotate
- b) Rotate and reflect
- c) Reflect and translate
- d) Translate and reflect



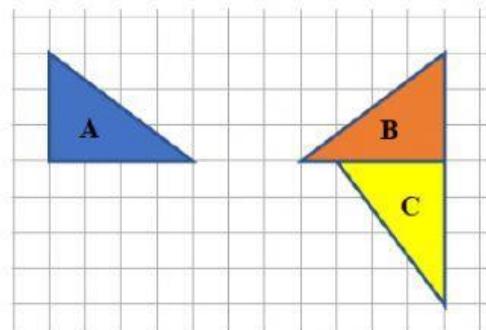
7. Which of the following combined transformation would result in shape D?

- a) Reflect, translate and rotate
- b) Reflect, translate and reflect
- c) Translate, rotate and reflect
- d) Translate, translate and reflect



8. Which of the following combined transformation would result in shape A to C?

- a) Reflect on vertical reflection line and rotate $\frac{1}{4}$ ccw
- b) Reflect on vertical reflection line and rotate $\frac{1}{4}$ cw
- c) Reflect on horizontal reflection line and rotate $\frac{1}{4}$ ccw
- d) Reflect on horizontal reflection line and rotate $\frac{1}{4}$ cw



9. Which of the following combined transformation would result in shape A to C?

- a) Reflect and translate
- b) Rotate and reflect
- c) Rotate and translate
- d) Translate and reflect

