Worksheet 1: Combined transformation

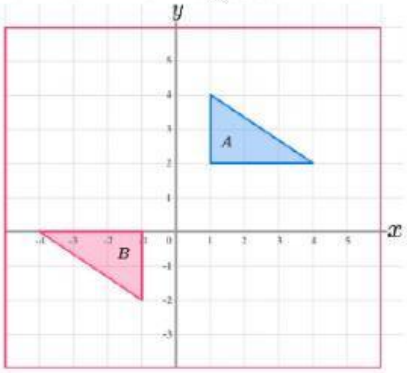
1) Which of the following transformation is performed in the image below?

a) Rotation

b) Reflection

c) Translation

d) None of the above



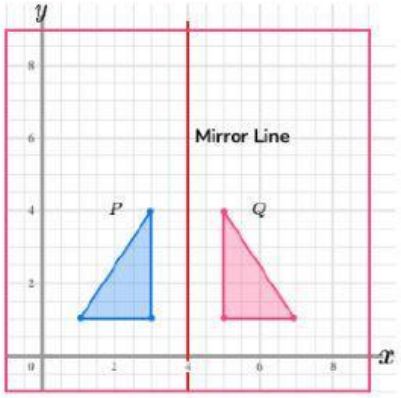
2) Which of the following transformation is performed in the image below?

a) Rotation

b) Reflection

c) Translation

d) None of the above



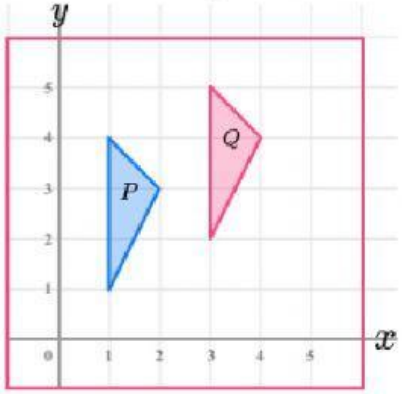
3. Which of the following transformation is performed in the image below?

a) Rotation

b) Reflection

c) Translation

d) None of the above



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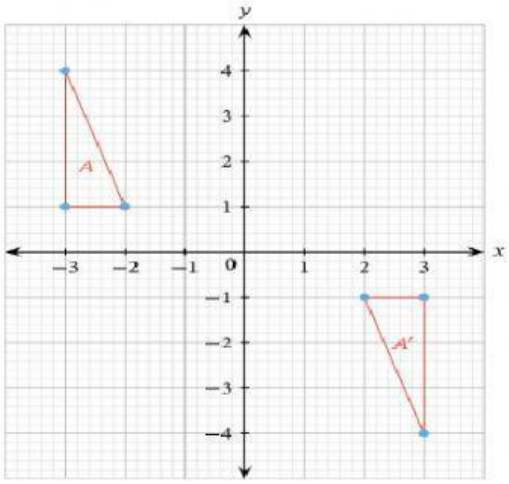
4. In the given figure, triangle A has been transformed to triangle A' by reflecting first in the y-axis and then reflecting in the x-axis. What single transformation would transform A to A'?

a) Rotation

b) Reflection

c) Translation

d) None of the above



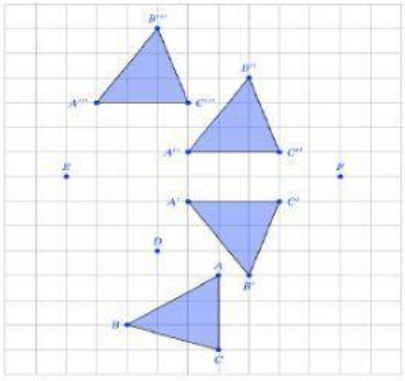
5. The triangle ABC has been transformed onto triangle $A'B'C'$ which has then been transformed onto triangle $A''B''C''$ then transformed onto $A'''B'''C'''$ as seen in the figure. Which combined transformation would result ABC to $A'''B'''C'''$?

a) Rotate, reflect and translate

b) Reflect, rotate and translate

c) Translate, reflect and rotate

d) Rotate, translate and reflect



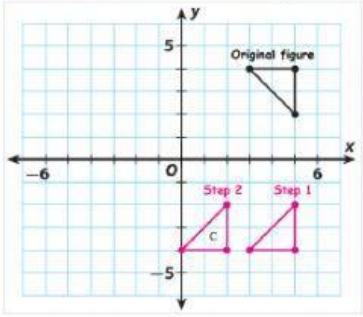
6. Which of the following combined transformation would result in shape C?

a) Reflect and rotate

b) Rotate and reflect

c) Reflect and translate

d) Translate and reflect



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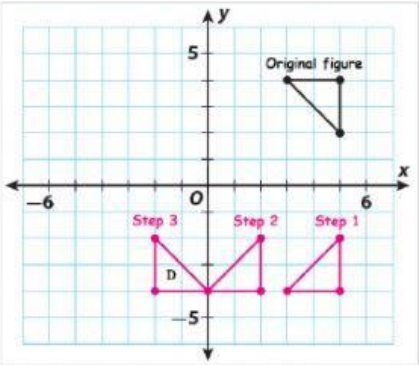
7. Which of the following combined transformation would result in shape D?

a) Reflect, translate and rotate

b) Reflect, translate and reflect

c) Translate, rotate and reflect

d) Translate, translate and reflect



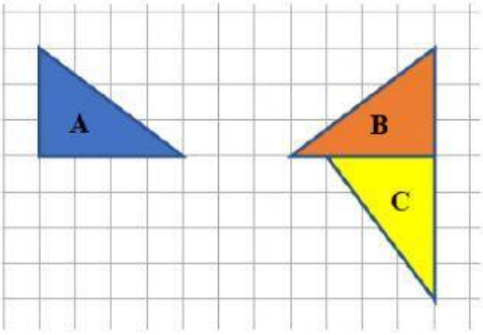
8. Which of the following combined transformation would result in shape A to C?

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



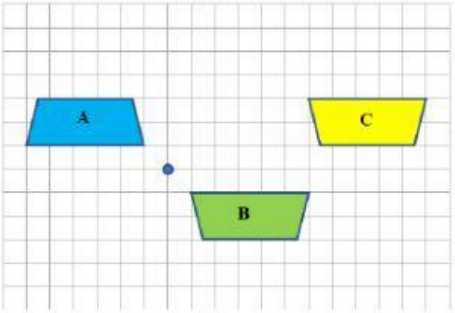
9. Which of the following combined transformation would result in shape A to C?

a) Reflect and translate

b) Rotate and reflect

c) Rotate and translate

d) Translate and reflect



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