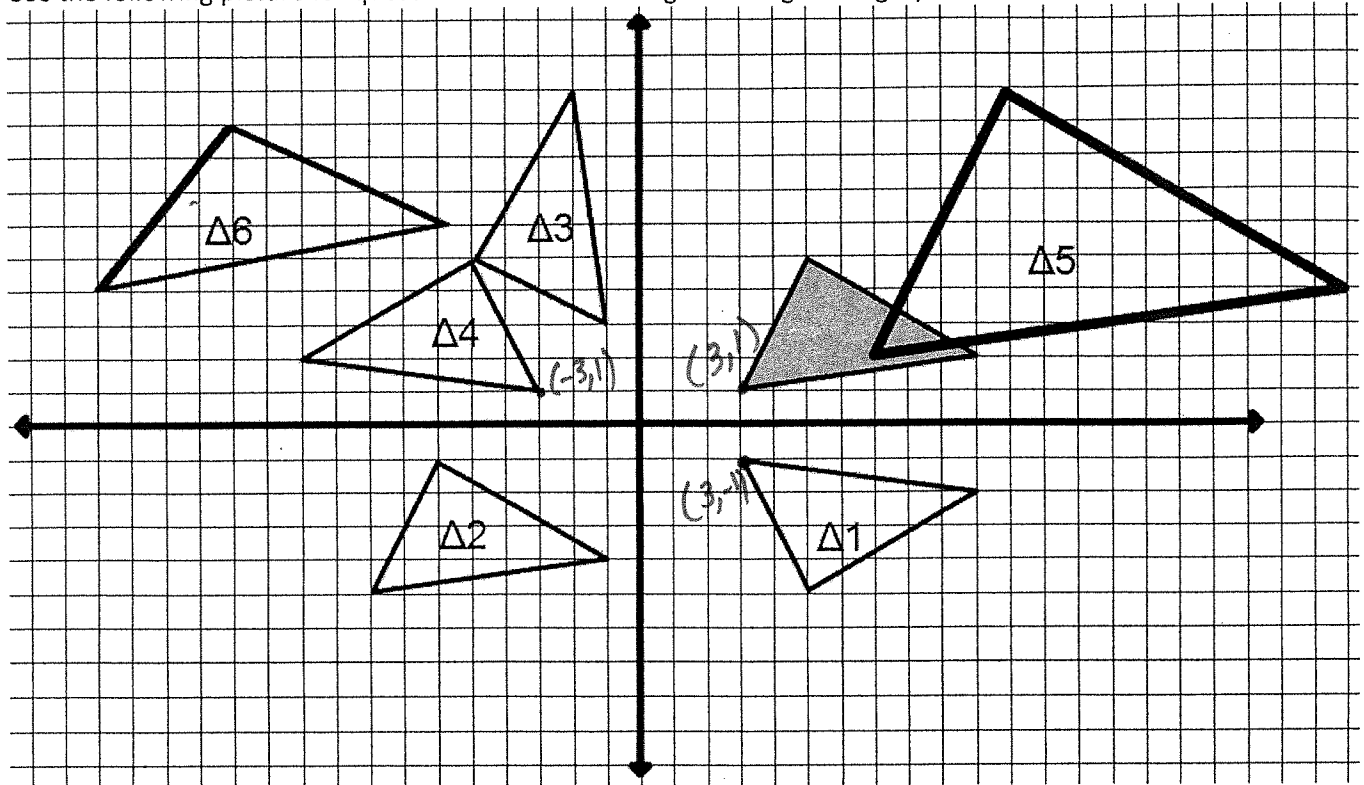# Key

Use the following picture for questions 10 – 12. The original triangle is in grey.

10. For each of the triangles, describe the transformation and then write a general rule for the transformation shown.

Triangle Number	Describe Transformations	Write a Rule
Δ1	Reflection across the x-axis	$(x, y) \rightarrow (\ x \ , -y \ )$
Δ2	Translation /left 11 down 6	$(x, y) \rightarrow (x-11 , \ y-6)$
Δ3	Rotation 90° Counter clockwise	$(x, y) \rightarrow (-y \ , \ x \ )$
Δ4	Reflection over the y-axis	$(x, y) \rightarrow (-x \ , \ y \ )$
Δ5		$(x, y) \rightarrow (\qquad , \qquad)$
Δ6		$(x, y) \rightarrow (\qquad , \qquad)$