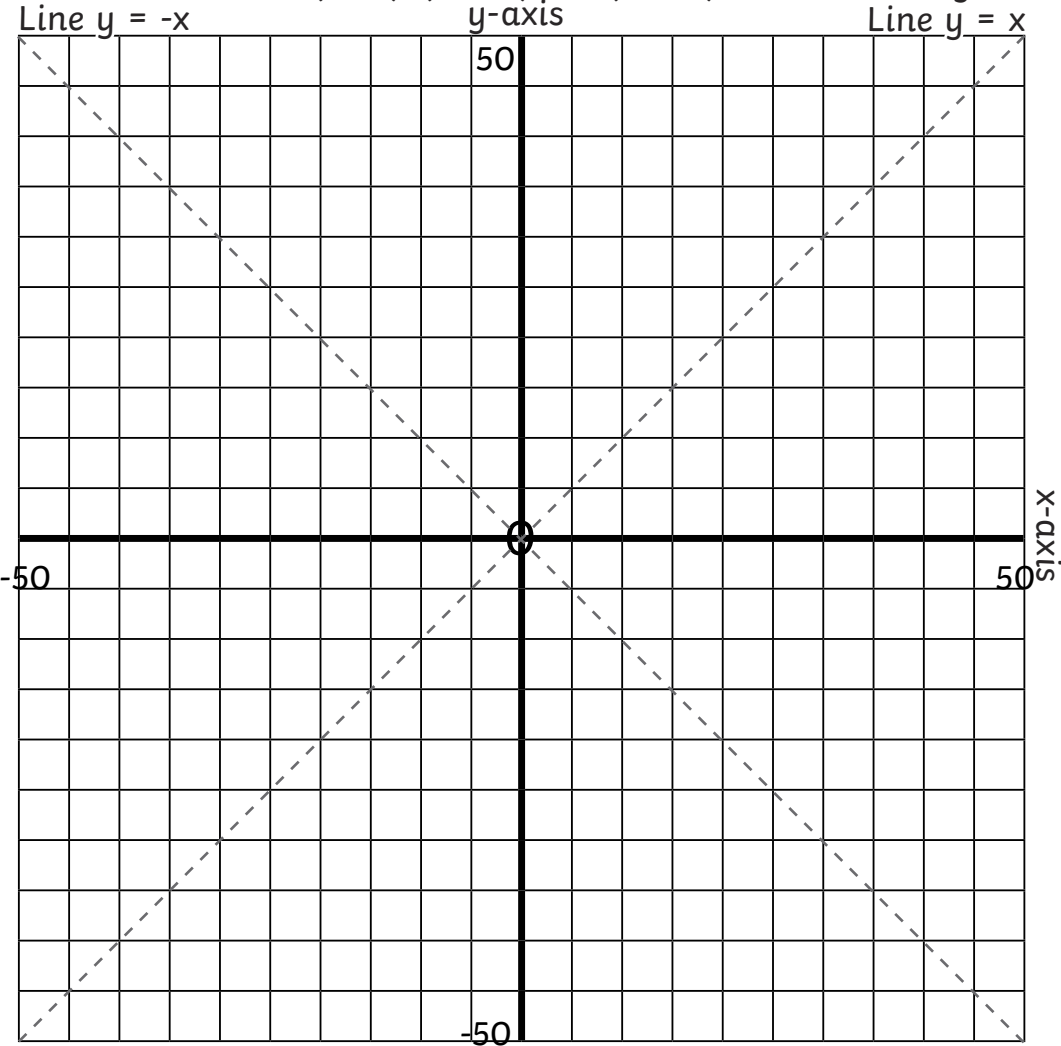


Reflecting Coordinate Shapes Extra Challenge

I can reflect shapes over the x and y axes in all four coordinate quadrants.



Plot the coordinates (10,5), (35,10) and (35,20) to draw a triangle, A.



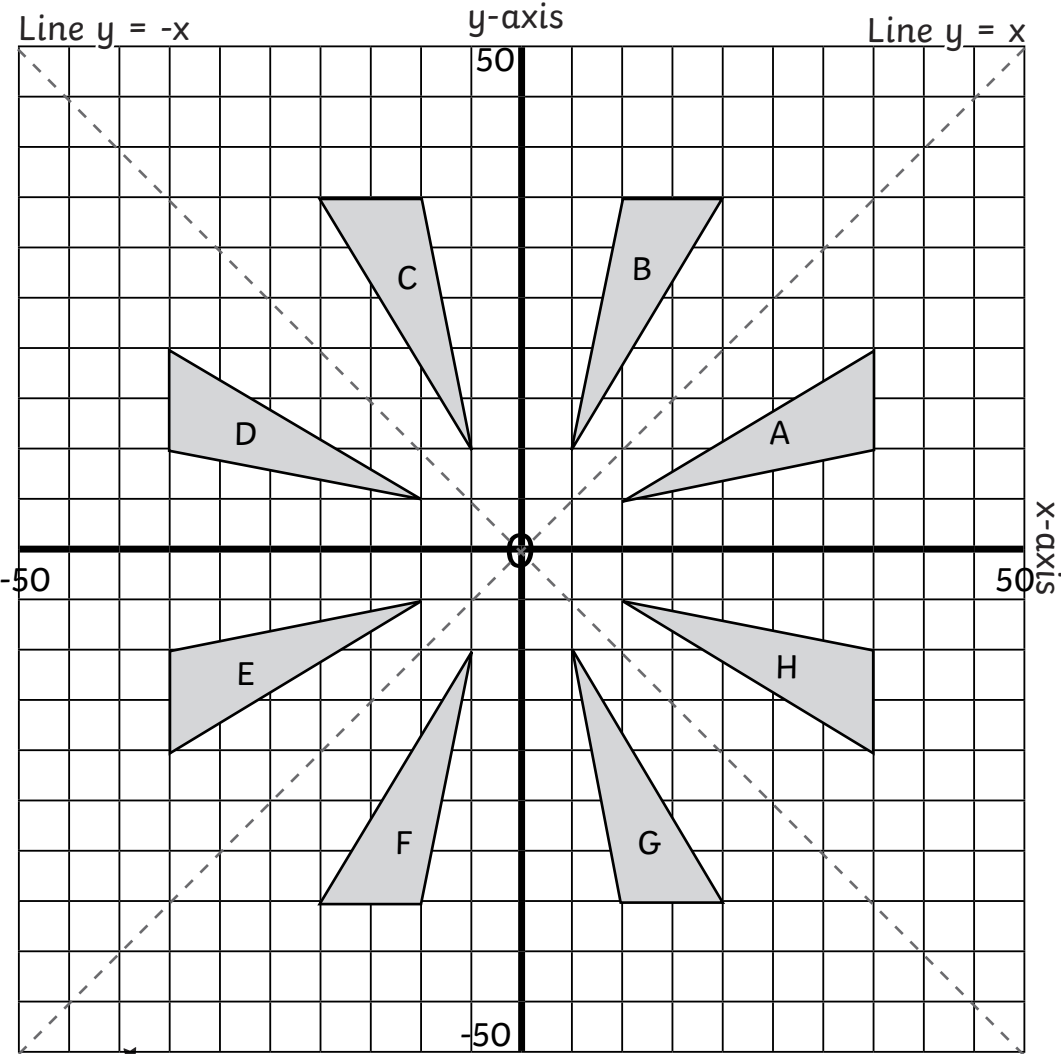
Use the information in these tables to draw seven more triangles on the coordinate grid:

Starting Shape	Reflection	New Shape	Coordinates
A	Reflect over $y=x$ line	B	
B	Reflect over y -axis	C	
C	Reflect over $y=-x$ line	D	
D	Reflect over x -axis	E	
E	Reflect over $y=x$ line	F	
F	Reflect over y -axis	G	
G	Reflect over $y=-x$ line	H	

Reflecting Coordinate Shapes Extra Challenge Answers

I can reflect shapes over the x and y axes in all four coordinate quadrants.

Plot the coordinates (10,5), (35,10) and (35,20) to draw a triangle, A.



Use the information in these tables to draw seven more triangles on the coordinate grid:

Starting Shape	Reflection	New Shape	Coordinates
A	Reflect over $y = x$ line	B	(5,10), (20,35), (10,35)
B	Reflect over y -axis	C	(-5,10), (-20,35), (-10,35)
C	Reflect over $y = -x$ line	D	(-10,5), (-35,20), (-35,10)
D	Reflect over x -axis	E	(-10,-5), (-35,-20), (-35,-10)
E	Reflect over $y = x$ line	F	(-5,-10), (-20,-35), (-10,-35)
F	Reflect over y -axis	G	(5,-10), (20,-35), (10,-35)
G	Reflect over $y = -x$ line	H	(10,-5), (35,-10), (35,-20)