		1	Coordinate Grid
<ul> <li>(DN) Coordinate points are written (x,y). Starting at the origin (0,0), describe how you would move to get to each point below:</li> <li>(-3,7)</li> <li>(5, -4)</li> </ul>		Name SLO:	Per I can identify and perform transformations in the context of coordinate grids.
<b>□</b> (1)	Reflections on a grid		<b>↓</b> <i>y</i>
	(a) Perform the transformation: $r_{y-axis}(XGUQ)$		
	(b) State the coordinates of the image of (XGUQ)		
	☐ (c) On a coordinate grid, can you reflect precisely	without cc	onstruction?
(2)	Reflections on a grid take 2		<b>↓</b> <i>y</i>
	Perform the transformation $r_{y=1}(\Delta TIE)$		
	(a) What line do you need to reflect across?		
	(b) Where is the line you need to reflect across? If you are not sure, list a few points that are on the (HINT: What must y be?)	e line.	T
	(,), (,), (,), (, Connect the points to show the line you must refle	<u>)</u> ect across	
	$\Box$ (c) State the coordinates of the image of $\triangle$ TIE.		
	(d) What would the line x = 4 look like?		,
	(e) What would the line y = x look like?		



**Homework** (next page)

## (6) Homework

(1) Write a transformation function that will map each preimage to its image.













