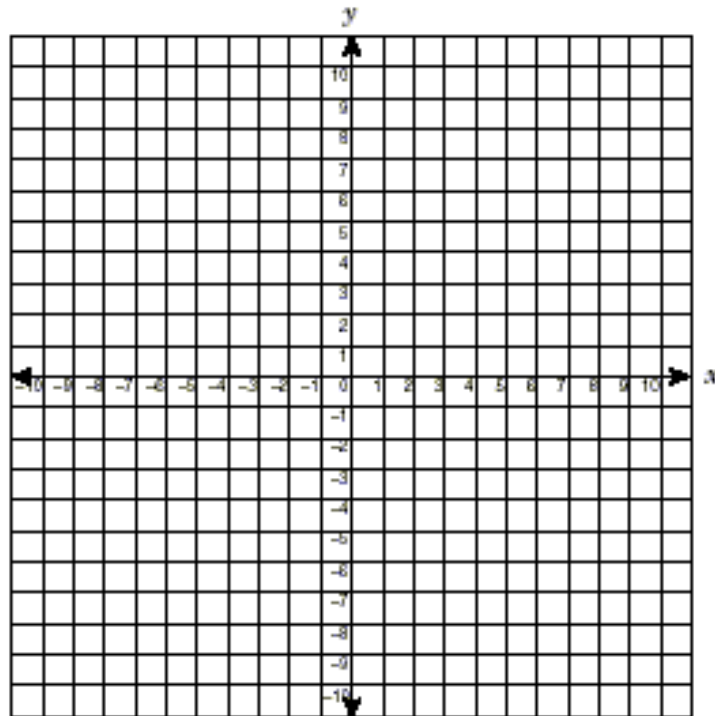


## Transformations



**QUESTION 1** - On the above grid, draw the curve  $f(x) = x^2 + x - 2$ .

**QUESTION 2** - On the same grid, draw and label:

- a)  $2f(x)$
- b)  $f(2x)$
- c)  $f(x) + 1$
- d)  $f(x+1)$

**QUESTION 3** - Complete the table below:

Line	Turning point	Root(s)	Describe the transformation
$f(x)$			
$2f(x)$			
$f(2x)$			
$f(x) + 1$			
$f(x+1)$			