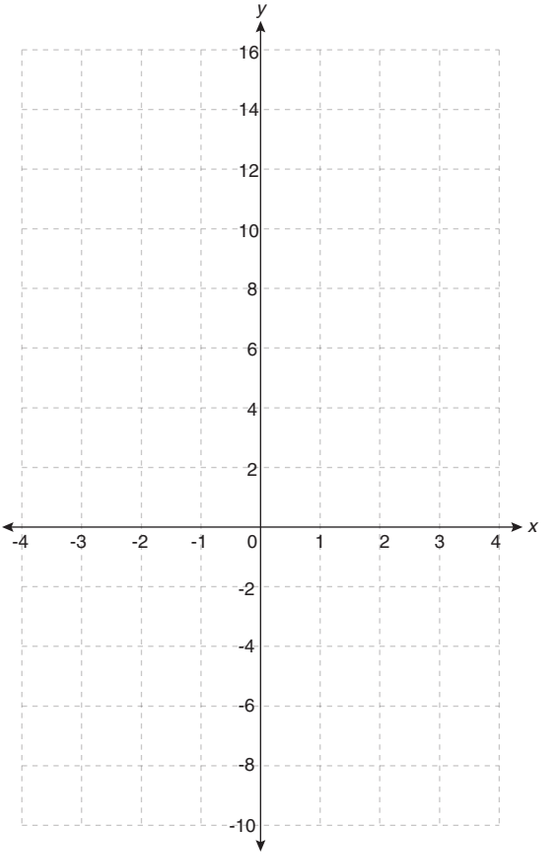
Practice Run

For the quadratic function $f(x) = 5x^2 + 10x - 2$,

- complete the table of values
- label the axes
- plot the points
- draw a smooth curve through the points

x (input)	$f(x)$ (output)	$(x, f(x))$
–3		
–2	$f(-2) = 5(-2)^2 + 10(-2) - 2 =$	(–2 ,)
–1		
0		
1		



Compare your answers.

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x (input)	$f(x)$ (output)	$(x, f(x))$
–3	$f(-3) = 5(-3)^2 + 10(-3) - 2 = 13$	(–3, 13)
–2	$f(-2) = 5(-2)^2 + 10(-2) - 2 = -2$	(–2 , –2)
–1	$f(-1) = 5(-1)^2 + 10(-1) - 2 = -7$	(–1, –7)
0	$f(0) = 5(0)^2 + 10(0) - 2 = -2$	(0, –2)
1	$f(1) = 5(1)^2 + 10(1) - 2 = 13$	(1, 13)