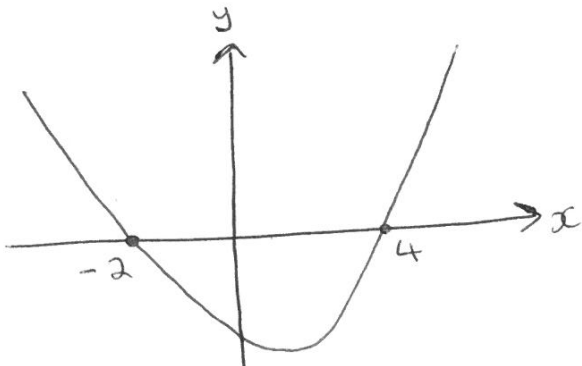
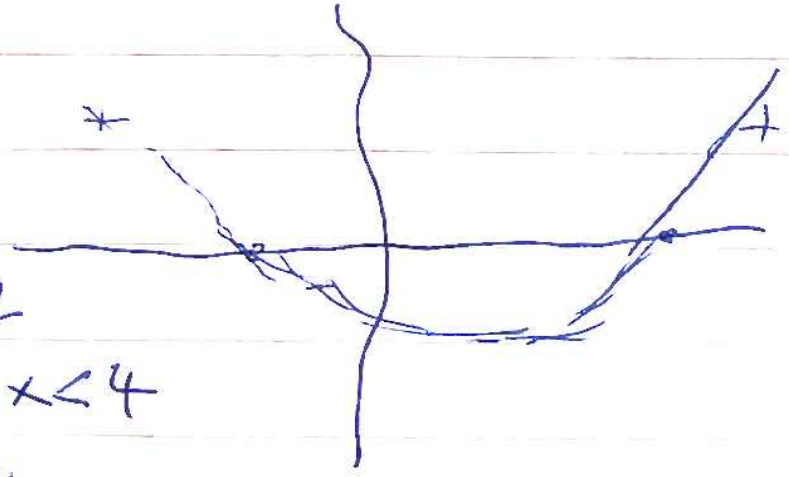
5



F2018HZ Q5

$y = g(x)$ has SP's at $x = -2$ and $x = 4$.

So for $y = g'(x)$:

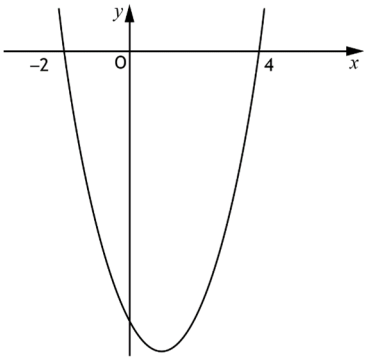


$g'(x)$ is zero at $-2, 4$

$g'(x)$ is +ve when $x < -2$

and negative when $-2 < x < 4$

$g'(x)$ is positive when $x > 4$

Question			Generic scheme	Illustrative scheme	Max mark
5.			•[1] identify shape and roots •[2] interpret shape	•[1] parabola with roots at -2 and 4 •[2] parabola with a minimum turning point at $x=1$ 	**2**
Notes:					
1. •[1] and •[2] are only available for attempting to draw a 'parabola'.					
Commonly Observed Responses:					