5.

Solution

To find the w-intercept, we set g equal to 0, so :

$g(w) = w^2 - 3w + 2 = (-2 + w)(-1 + w) = 0$

$-1 + w = 0$ or $-2 + w = 0$

$w = 1$ or $w = 2$

So, the w-intercepts are at the points $(1,0)$ and $(2,0)$