3.

Solution

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

$n(w) = w^2 - 9w + 18 = (-6 + w)(-3 + w) = 0$

$-6 + w = 0$ or $-3 + w = 0$

$w = 6$ or $w = 3$

So, the w-intercepts are at the points $(6,0)$ and $(3,0)$