2.

Solution

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

$s(w) = w^2 - 3w - 10 = (-5 + w)(2 + w) = 0$

$2 + w = 0$ or $-5 + w = 0$

$w = -2$ or $w = 5$

So, the w-intercepts are at the points $(-2, 0)$ and $(5, 0)$