

1.

## Solution

To find the  $v$ -intercept, we set  $s$  equal to 0, so the  $v$ -intercept is:  $(0, v(0))$

$$v(0) = 3(0)^2 + 5(0) + 2 = 2$$

Then the  $v$ -intercept is at the point  $(0, 2)$