

4.

## Solution

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

$$v(0) = 7(0)^2 + 8(0) + 1 = 1$$

Then the  $v$ -intercept is at the point  $(0, 1)$