

5.

## Solution

To find the  $u$ -intercept, we set  $v$  equal to 0, so :

$$v(u) = u^2 - 5u + 6 = (-3 + u)(-2 + u) = 0$$

$$-3 + u = 0 \text{ or } -2 + u = 0$$

$$u = 3 \text{ or } u = 2$$

So, the  $u$ -intercepts are at the points  $(3, 0)$  and  $(2, 0)$