6.

Solution

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

$u(v) = v^2 - 11v + 30 = (-6 + v)(-5 + v) = 0$

$-5 + v = 0$ or $-6 + v = 0$

$v = 5$ or $v = 6$

So, the v-intercepts are at the points $(5,0)$ and $(6,0)$