

5.

## Solution

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

$$m(u) = u^2 - 6u + 8 = (-4 + u)(-2 + u) = 0$$

$$-4 + u = 0 \text{ or } -2 + u = 0$$

$$u = 4 \text{ or } u = 2$$

So, the u-intercepts are at the points  $(4, 0)$  and  $(2, 0)$