

3.

Solution

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

$$f(u) = u^2 - 10u + 24 = (-6 + u)(-4 + u) = 0$$

$$-4 + u = 0 \text{ or } -6 + u = 0$$

$$u = 4 \text{ or } u = 6$$

So, the u-intercepts are at the points $(4, 0)$ and $(6, 0)$