6.

Solution

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

$u(x) = x^2 - 7x + 10 = (-5 + x)(-2 + x) = 0$

$-5 + x = 0$ or $-2 + x = 0$

$x = 5$ or $x = 2$

So, the x-intercepts are at the points $(5, 0)$ and $(2, 0)$