4.

## Solution

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

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

$-4 + t = 0$ or $-2 + t = 0$

$t = 4$ or $t = 2$

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