

1.

## Solution

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

$$x(t) = t^2 - 6t + 5 = (-5 + t)(-1 + t) = 0$$

$$-5 + t = 0 \text{ or } -1 + t = 0$$

$$t = 5 \text{ or } t = 1$$

So, the  $t$ -intercepts are at the points  $(5, 0)$  and  $(1, 0)$