

6.

Solution

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

$$w(t) = t^2 - 10t + 24 = (-6 + t)(-4 + t) = 0$$

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

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

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