

1.

Solution

To find the n -intercept, we set r equal to 0, so :

$$r(n) = n^2 - 10n + 24 = (-6 + n)(-4 + n) = 0$$

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

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

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