

1.

Solution

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

$$x(s) = s^2 - 8s + 15 = (-5 + s)(-3 + s) = 0$$

$$-5 + s = 0 \text{ or } -3 + s = 0$$

$$s = 5 \text{ or } s = 3$$

So, the s -intercepts are at the points $(5, 0)$ and $(3, 0)$