

4.

## Solution

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

$$x(z) = z^2 - 8z + 12 = (-6 + z)(-2 + z) = 0$$

$$-2 + z = 0 \text{ or } -6 + z = 0$$

$$z = 2 \text{ or } z = 6$$

So, the z-intercepts are at the points (2,0) and (6,0)