## Solution

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

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

-2 + z = 0 or -6 + z = 0

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