6.

Solution

To find the k-intercept, we set j equal to 0, so :

$j(k) = k^2 - 6k + 8 = (-4 + k)(-2 + k) = 0$

$-4 + k = 0$ or $-2 + k = 0$

$k = 4$ or $k = 2$

So, the k-intercepts are at the points $(4,0)$ and $(2,0)$