2.

Solution

To find the d−intercept, we set y equal to 0, so :

$y(d) = d^2 - 7d + 12 = (-4 + d)(-3 + d) = 0$

$-4 + d = 0$ or $-3 + d = 0$

$d = 4$ or $d = 3$

So, the d−intercepts are at the points $(4,0)$ and $(3,0)$