

6.

## Solution

To find the b-intercept, we set q equal to 0, so :

$$q(b) = b^2 - 3b + 2 = (-2 + b)(-1 + b) = 0$$

$$-1 + b = 0 \text{ or } -2 + b = 0$$

$$b = 1 \text{ or } b = 2$$

So, the b-intercepts are at the points  $(1, 0)$  and  $(2, 0)$