

2.

Solution

To find the m -intercept, we set w equal to 0, so :

$$w(m) = m^2 + m - 2 = (-1 + m)(2 + m) = 0$$

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

$$m = 1 \text{ or } m = -2$$

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