

6.

Solution

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

$$e(m) = m^2 - 9 = (-3 + m)(3 + m) = 0$$

$$3 + m = 0 \text{ or } -3 + m = 0$$

$$m = -3 \text{ or } m = 3$$

So, the m-intercepts are at the points $(-3, 0)$ and $(3, 0)$