3.

Solution

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

$m(f) = f^2 + 5f + 6 = (2 + f)(3 + f) = 0$

$3 + f = 0$ or $2 + f = 0$

$f = -3$ or $f = -2$

So, the f-intercepts are at the points $(-3, 0)$ and $(-2, 0)$