

- Find the zeros (and their multiplicities) of $f(x) = x^2 + 8x + 16$.

$$\begin{aligned} f(x) &= x^2 + 8x + 16 = (x+4)(x+4) \\ &= (x+4)^2 \end{aligned}$$

$x = -4$ is a zero of multiplicity 2

$x = -4$ is the only zero.