

Quiz 16

Name _____

1. List all the zeros of the function $f(x) = (x+2)(x-1)(2x-5)$
2. Use synthetic division to divide: $\frac{x^3 - 3x^2 - 8x - 1}{x+2}$
3. Using your answer above, if $f(x) = x^3 - 3x^2 - 8x - 1$, $f(-2) =$
4. Let $f(x) = x^3 + 2x^2 - 5x - 6$. Check that $f(2) = 0$, then using synthetic division factor f into linear factors.