

Algebra III
Homework

Name: _____
1/8/18

1. $f(x) = x^3 + 4x^2 + 5x + 2$
a) List all possible rational zeros
b) Find all the real zeros

2. $f(x) = 2x^3 + 5x^2 - x - 6$
a) List all possible rational zeros
b) Factor completely

3. $f(x) = 6x^4 + 41x^3 + 61x^2 + 31x + 5$

- c) List all possible rational zeros
- d) Factor completely