

Math 2311 Q7A Spring 2020

Name: _____ #: _____

1. Divide $f(x)$ by $d(x)$. If $d(x)$ is a factor of $f(x)$, then write your answer in the form $f(x) = Q(x)d(x)$. If $d(x)$ is not a factor of $f(x)$, then write your answer in the form $\frac{f(x)}{d(x)} = Q(x) + \frac{r(x)}{d(x)}$.

$$f(x) = 2x^4 - x^3 - 19x^2 + 9x + 9, \text{ and } d(x) = x - 3$$