

Name: _____

Math 121

Self-Assessment Quiz #4

March 11, 2022

- Please see the course webpage for the answer key.

1. ~~Compute $\int \frac{x^4 - 2x^3 + 4x^2 - 17x + 10}{x^3 - 3x^2 + 2x - 6} dx$ and $\int \frac{x^4 - 2x^3 + 4x^2 - 17x + 10}{(x-3)(x^2+2)} dx$~~

***IGNORE #1 here for SPRING 2022

2. Compute $\int \frac{x+7}{x^2+6x+14} dx$.

3. Compute $\int_2^{\infty} \frac{x}{e^{3x}} dx$.

4. Compute $\int_3^{\infty} \frac{7}{x^2+3x-10} dx$.

5. Compute $\int_8^{\infty} \frac{1}{x^2-10x+28} dx$.