

Name: _____

Mark: _____

Mini-math Div 3/4: Friday, February 11, 2022 (18 minutes)

1. (2 points) $\int \frac{2}{x^2 + 2x + 2} dx$

2. (2 points) $\int \frac{\cos^3 \theta - 1}{\cos^2 \theta} d\theta$

3. (2 points) $\int_{-2}^0 x \sqrt{\frac{x}{2} + 1} dx$

4. (2 points) $\int \frac{1}{(1+y^2) \arctan y} dy$

5. (2 points) $\int \frac{3x^2 + 5x}{x + 2} dx$

6. (2 points) $\int_1^2 (u - 1)^3 du$