

Name: _____

Mark: _____

Mini-math Div 3/4: Monday, March 8, 2021 (15 minutes)

1. Find the following general indefinite integrals.

(a) (2 points) $\int \frac{u+3}{u^2+6u+8} du$

(b) (2 points) $\int \frac{e^{\tan \theta}}{\cos^2 \theta} d\theta$

2. Evaluate the following definite integrals.

(a) (2 points) $\int_{-1}^0 x(2x + 1)^6 dx$

(b) (2 points) $\int_{e^2}^{e^3} \frac{1}{t(\ln t)^2} dt$