

MAT 123-Final Exam Part 1(SAMPLE)-Fall 2018

NAME: _____

TA Name: _____

When do you have recitation? _____

*This exam is pass/fail. You must score 9 out of 12 to pass.

1. Compute $\sin(3\pi)$.

2. Compute $\cos(\frac{\pi}{4})$.

3. Find the x intercept of $y = \ln(2x - 4)$.

4. Graph one cycle of $y = -\sin x$ on a scaled set of axes.

5. Determine the maximum value of $y = -4 \sin x$

6. Solve for x : $2e^{-x} = 4$

7. Graph $y = \ln(-x)$ on a scaled set of axes.

8. Find the domain of $y = \ln(x + 8)$

9. Compute $\text{Arctan } 1$.

10. Find the smallest positive solution: $\sin 2x = 0$

11. Draw a graph of $y = \text{Arctan } x$ on a scaled set of axes.

12. Compute: $(\ln e)^e + \ln e^e$