MATH 374 QUIZ #3

Name

1. For the simple surface

$$x(s,t) = (\cos s, 2\sin s, t)$$

- **a**. Find the Weingarten map.
- **b**. Show that the Gaussian curvature is a constant.
- c. Find its mean curvature.
- **d**. Is the surface minimal? Explain your answer.