

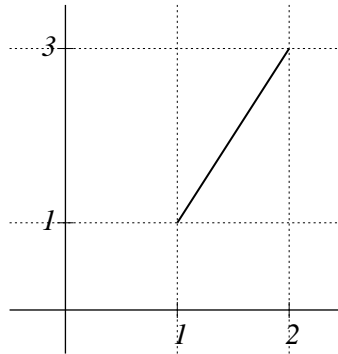
**Math 274 Quiz 7**

Sections: 7.6

30 May 2018

Name: \_\_\_\_\_  
Point values in boxes.

1. A graph of  $y = f(t)$  is given below.



(a) 2 Express  $f(t)$  using unit step functions.

(b) 2 Find the Laplace transform of  $f(t)$ .

2. 6 Find the inverse Laplace transform of

$$F(s) = e^{-3(s+1)} \frac{s - 2 - s^2}{(s^2)(s - 2)}.$$