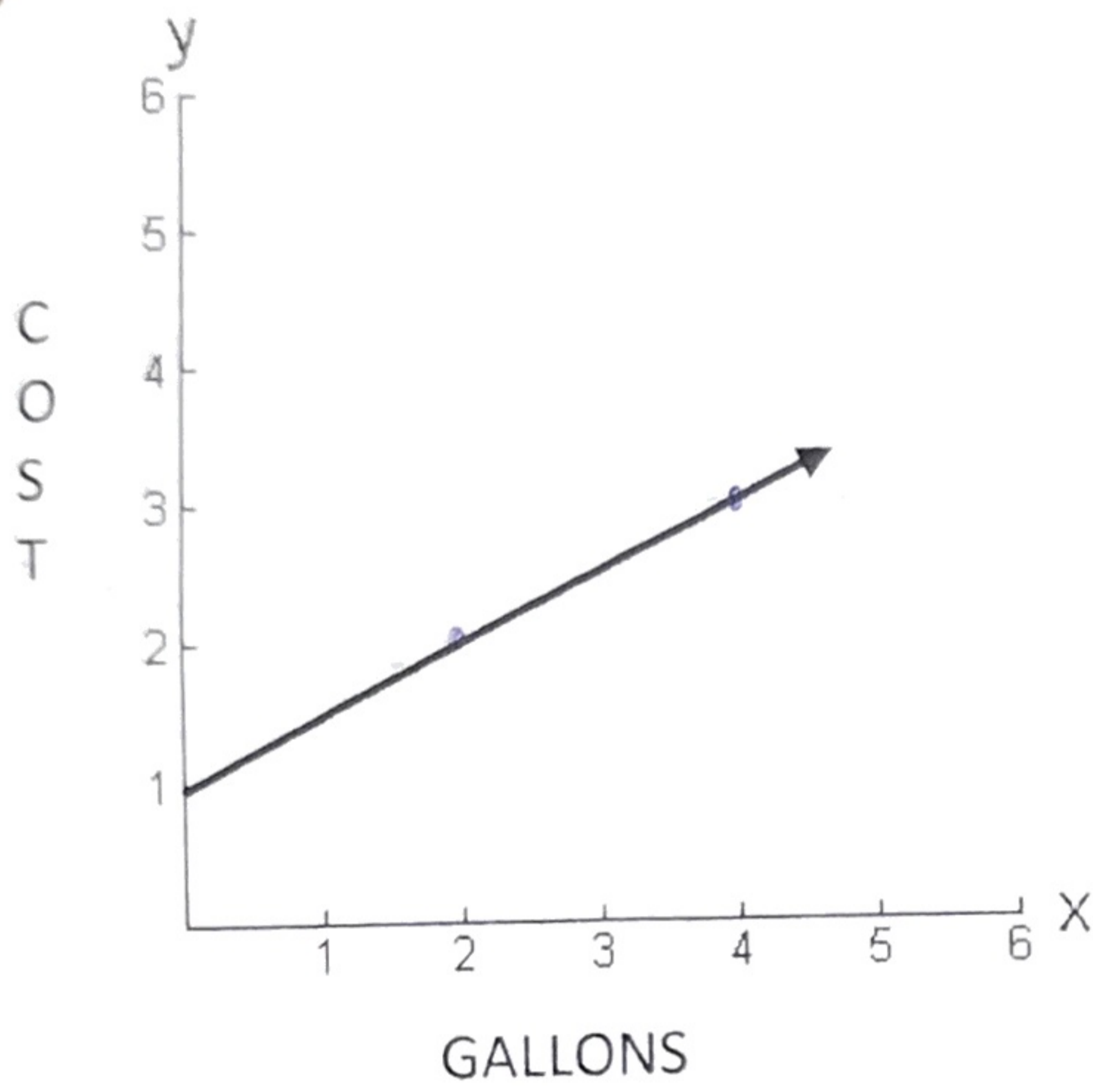


Name: _____

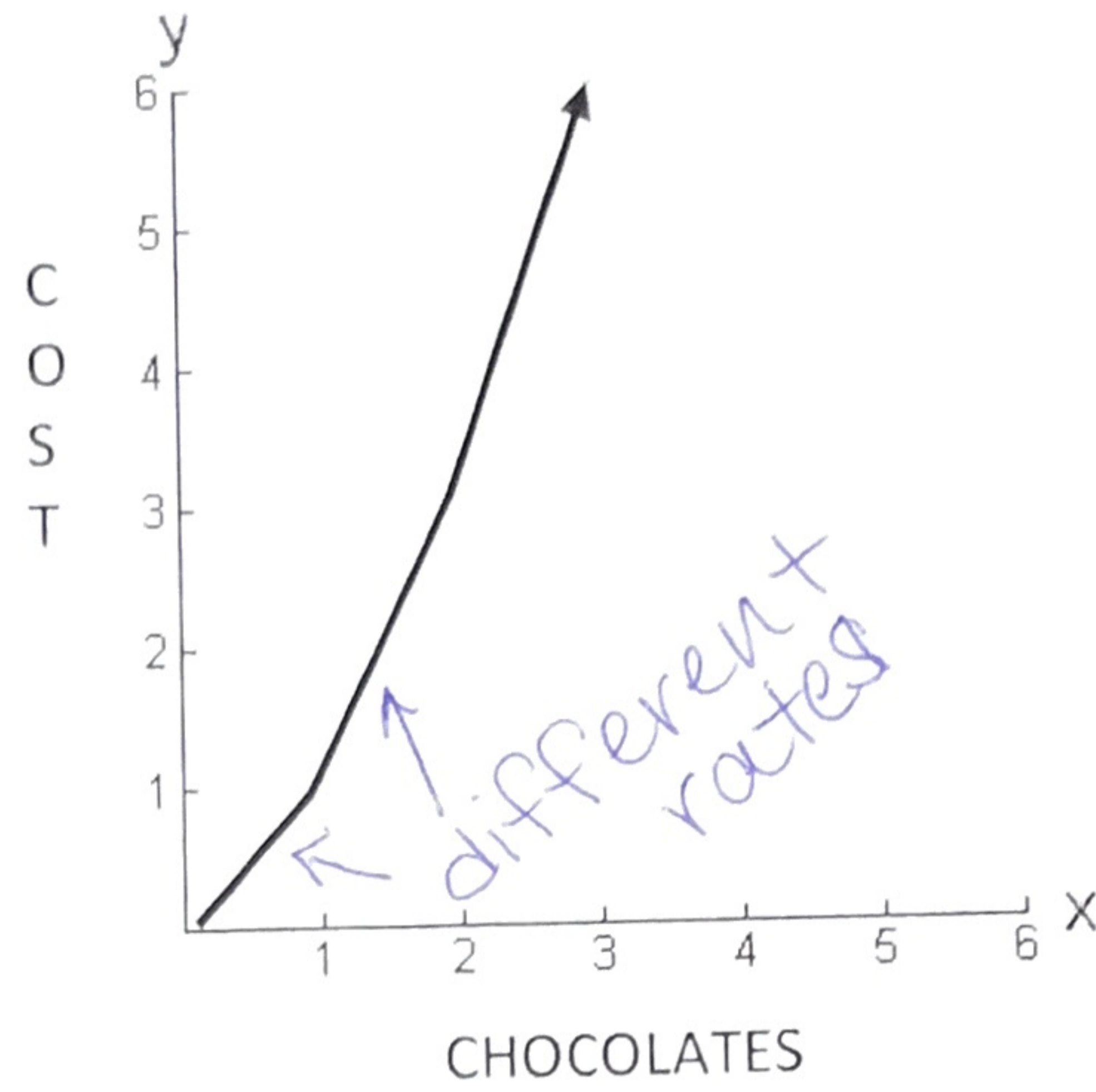
Date: _____

#24 Steep Stairs

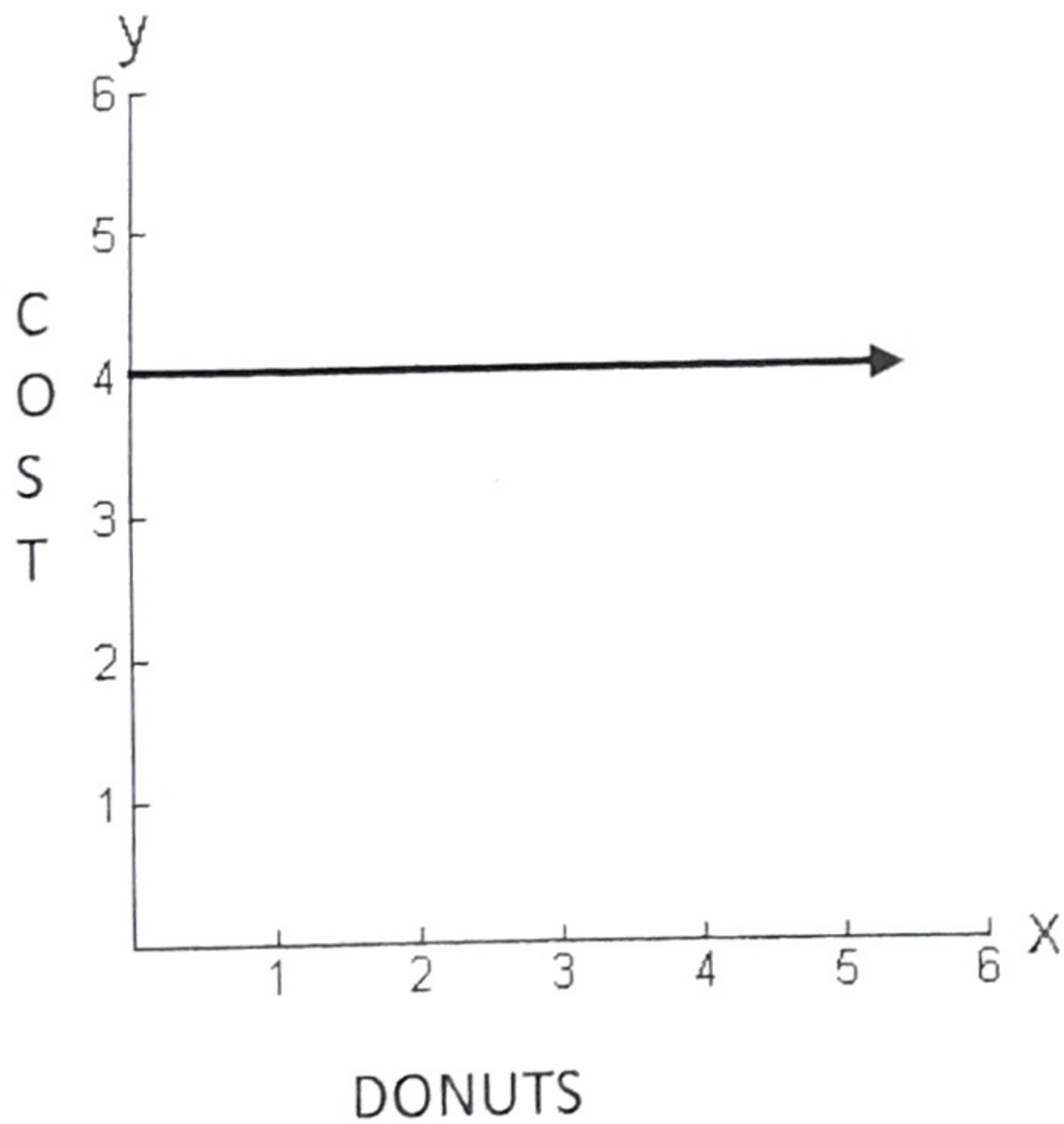
1. **Explain** whether each or not each graph below demonstrates a company that charges a constant rate.



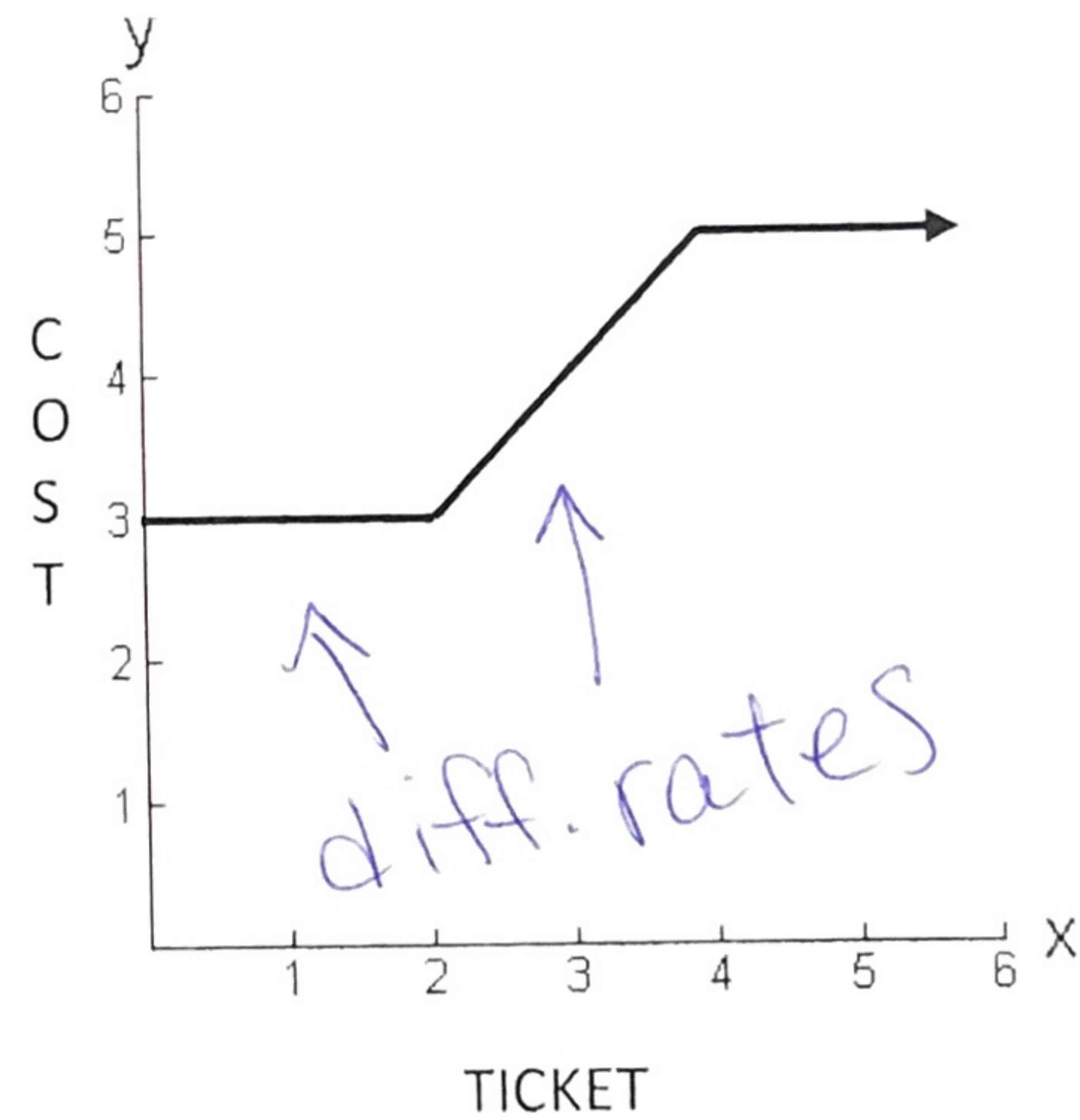
Yes b/c its correlation is perfect (straight line) or \$1 for every 2 gallons



Not a constant rate b/c the function is not straight.



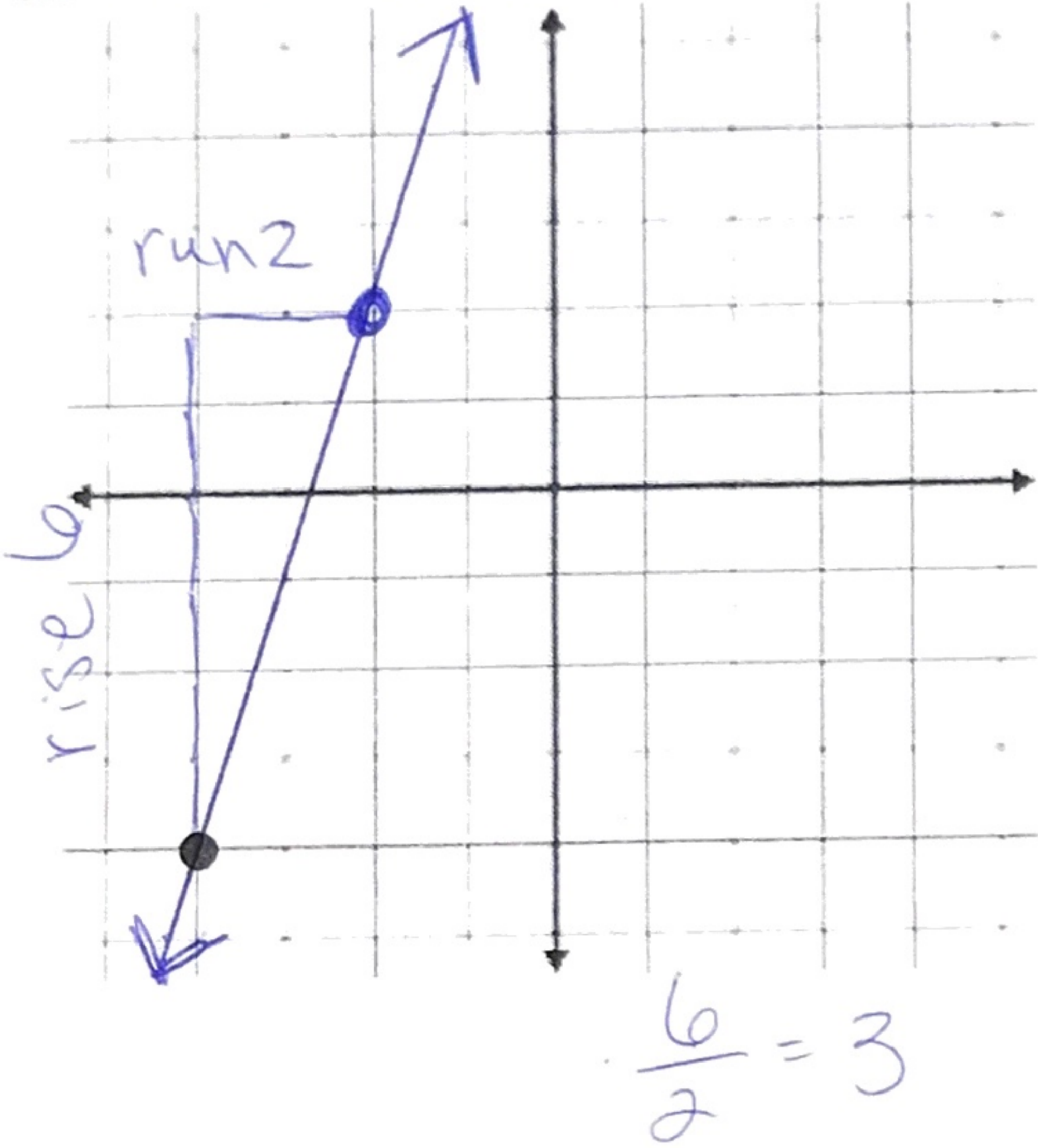
Yes the rate is constant b/c it is a straight line.



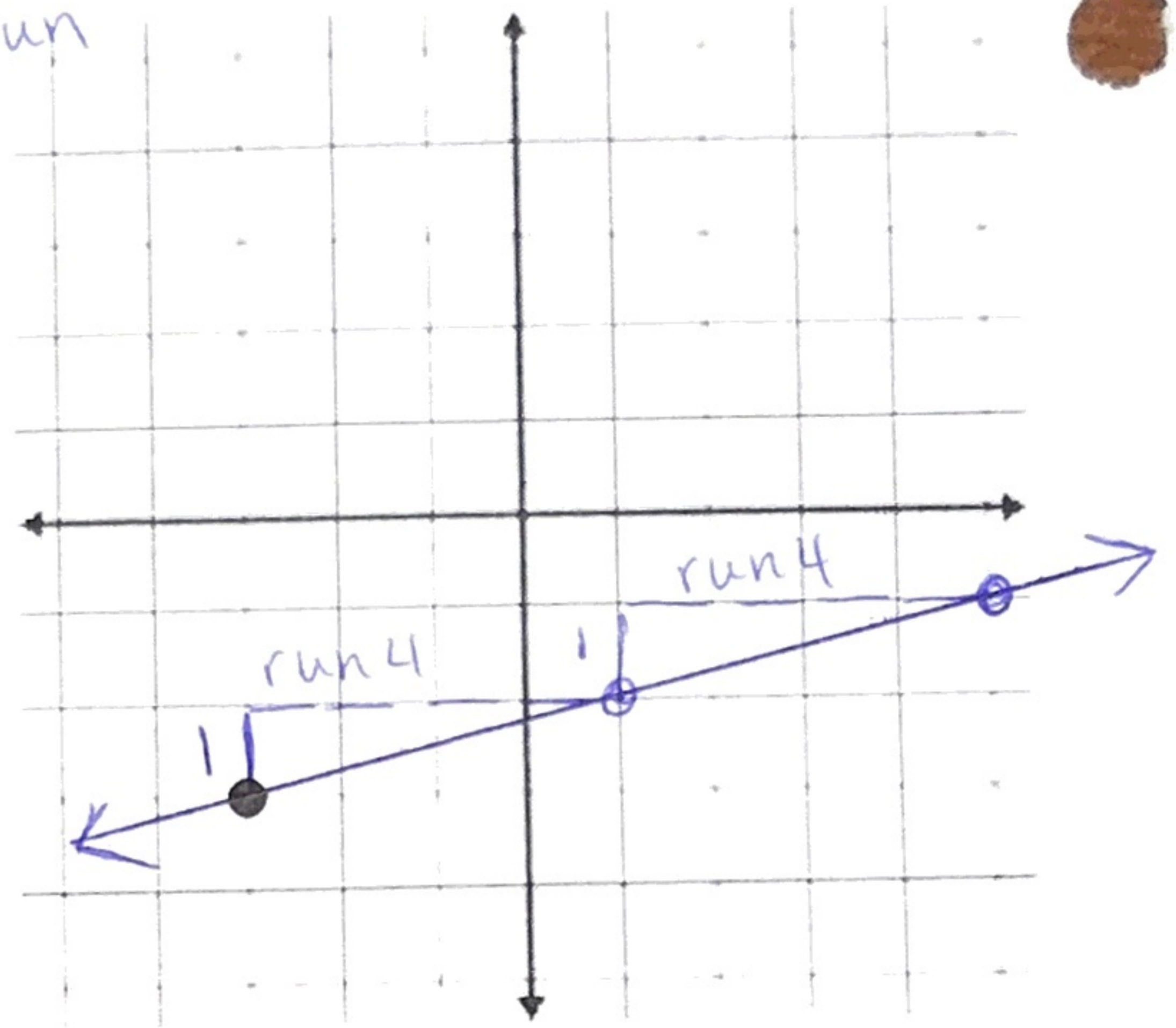
Not a constant rate b/c the function is not a straight line.

2. Draw each slope given below

a. rise to run ratio of 6 to 2



b. slope is $\frac{1 \text{ rise}}{4 \text{ run}}$



2. Which stair above has a greater rate of change: Stair a

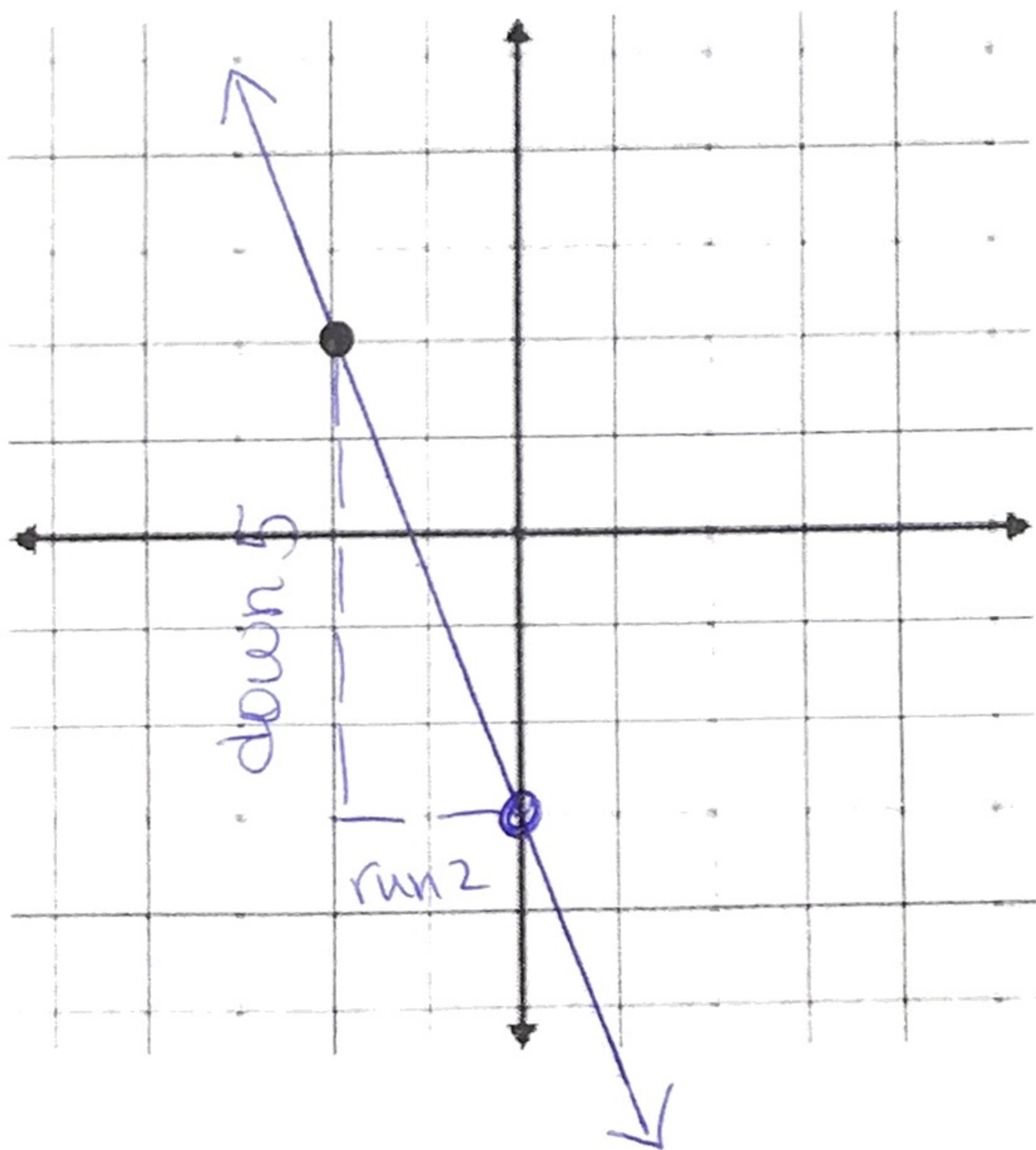
a) How can you tell from the picture?

the line is steeper

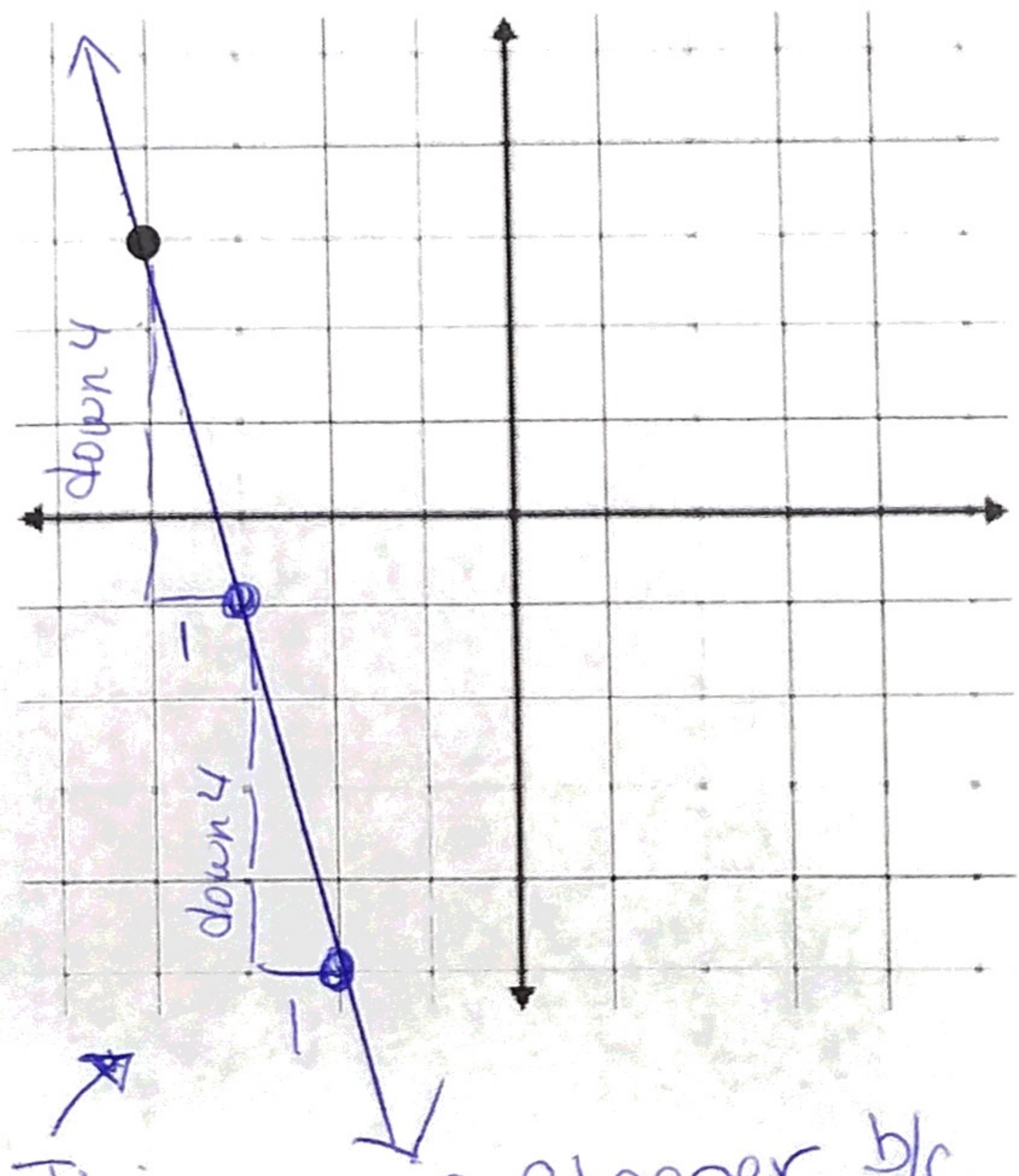
b) How can you tell from the numbers?

$3 > \frac{1}{4}$

3. Draw the slope of $-\frac{5}{2}$ *down 5 run 2*



Draw a slope of -4 \rightarrow $\frac{-4}{1}$ *down 4 run 1*



Not asked but... This one is steeper b/c $|-4| > |-\frac{5}{2}|$