Station 1)

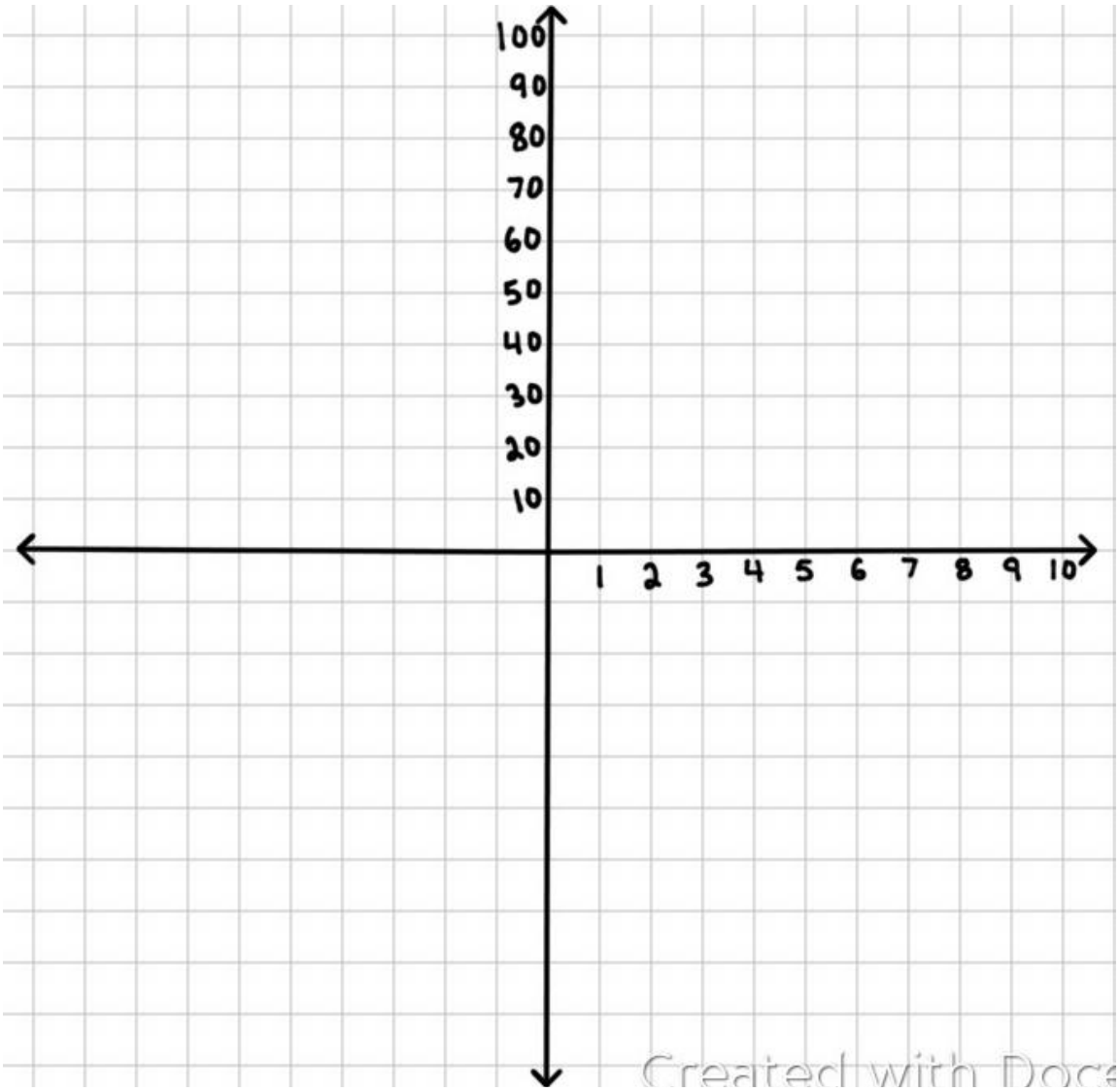
A car rental company charges a $30 fee for rental paperwork, and $15 per day for the use of the vehicle.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost to rent the car for 2 days?

c) How much does it cost to rent the car for 7 days?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

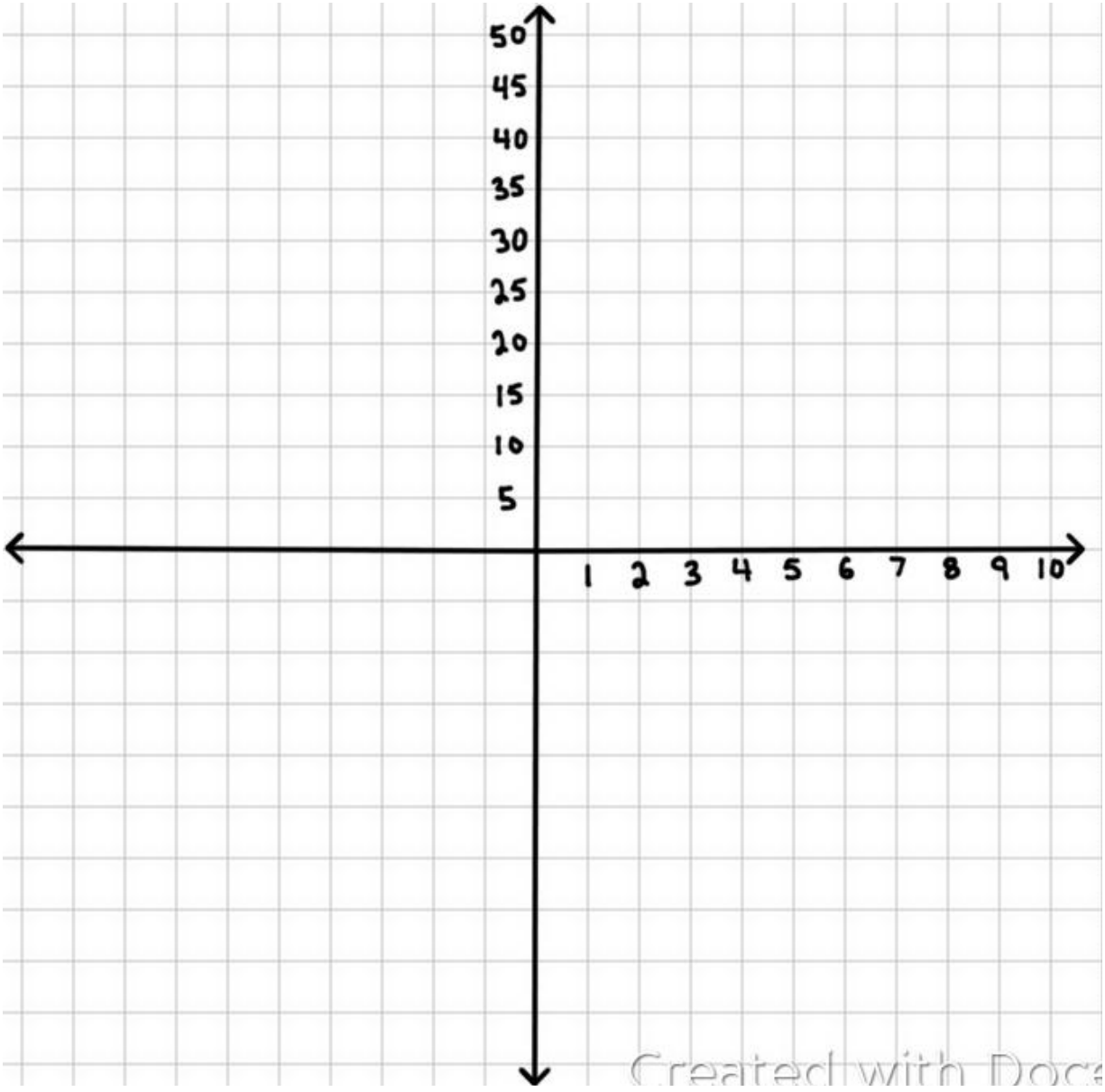
Station 2)
A cab company charges $3 for each mile traveled and $5 to get into the cab.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost to go 3 miles?

c) How much does it cost to go 5 miles?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 3)

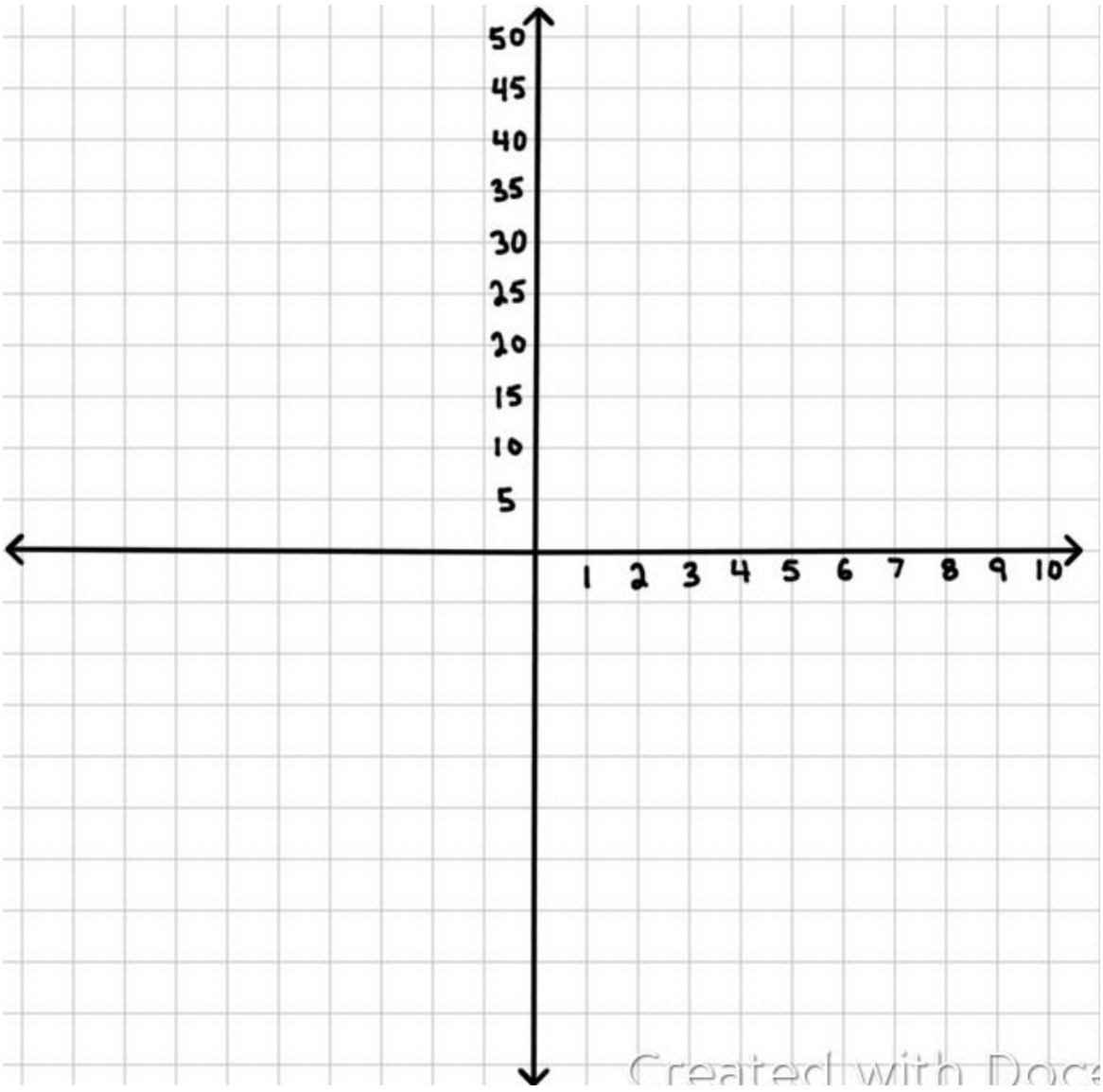
A company charges a shipping fee of $12 and each item costs $8.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost to buy 3 items?

c) How much does it cost to buy 8 items?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 4)

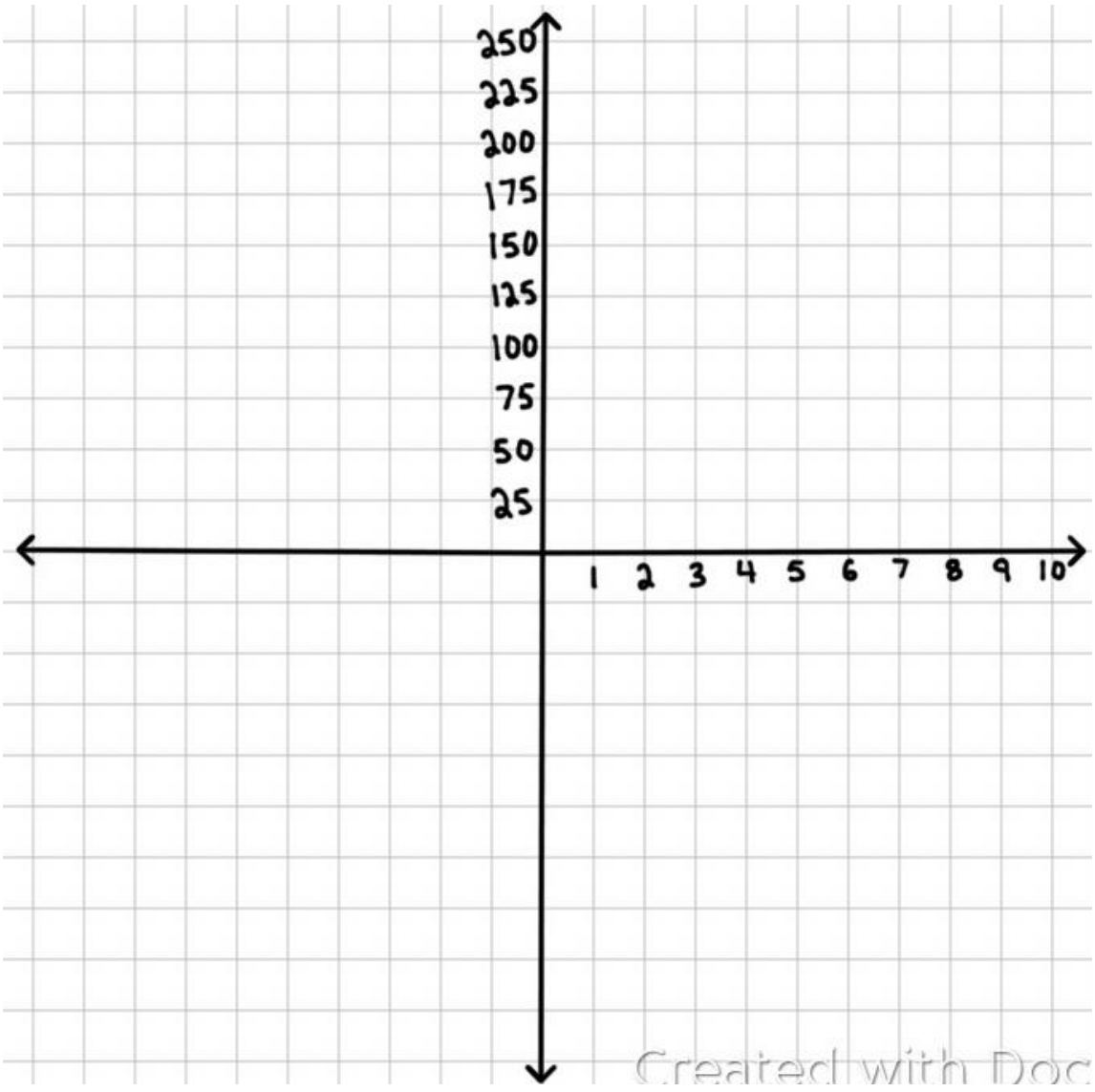
Direct TV charges an installation fee of $60 and $40 per month for service.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost for 6 months of service?

c) How much does it cost for 1 year of service?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 5)

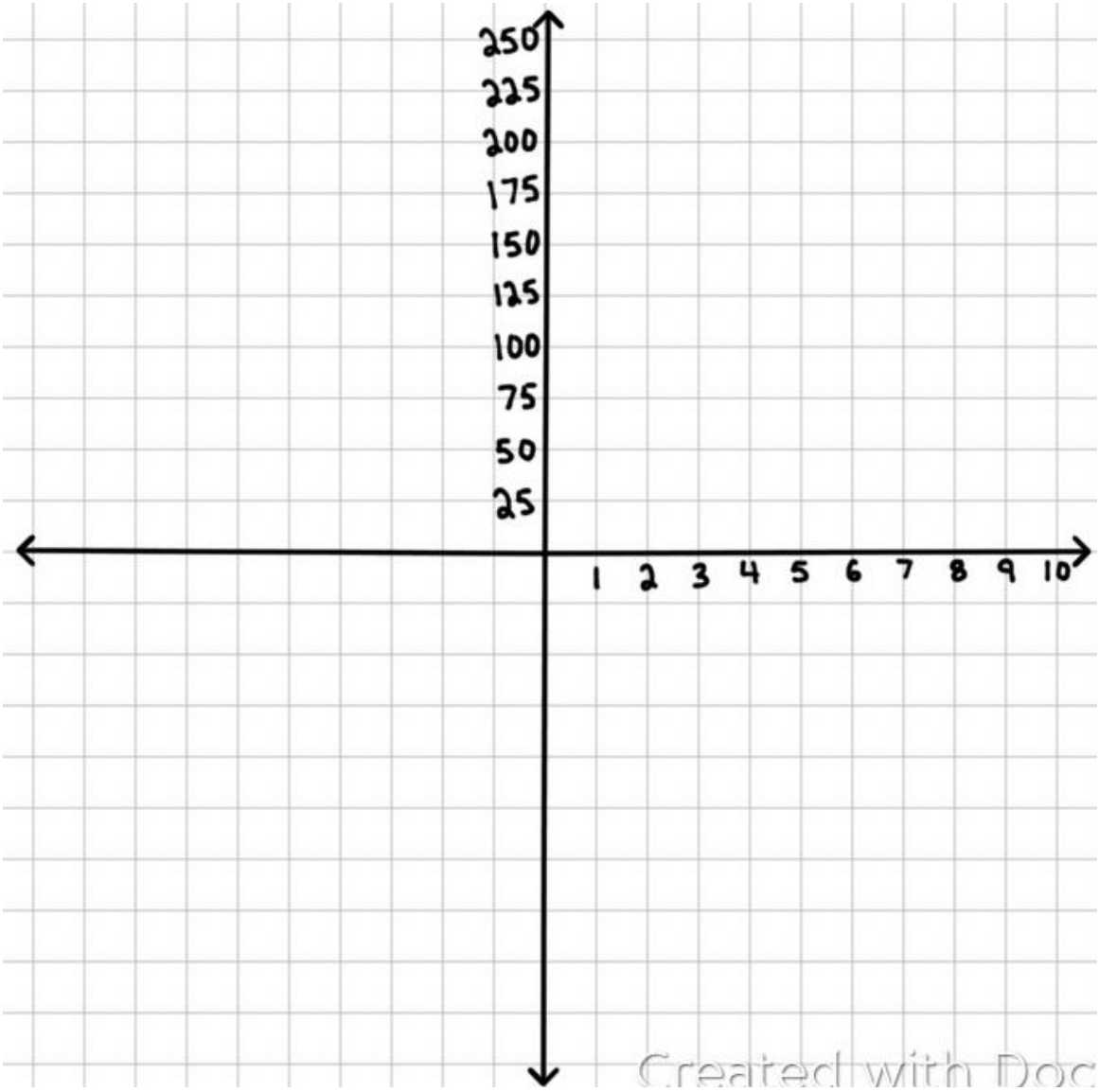
A business spends $25/day for supplies and $100 to buy equipment.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost the company to be open for 5 days?

c) How much does it cost the company to be open for 11 days?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 6)

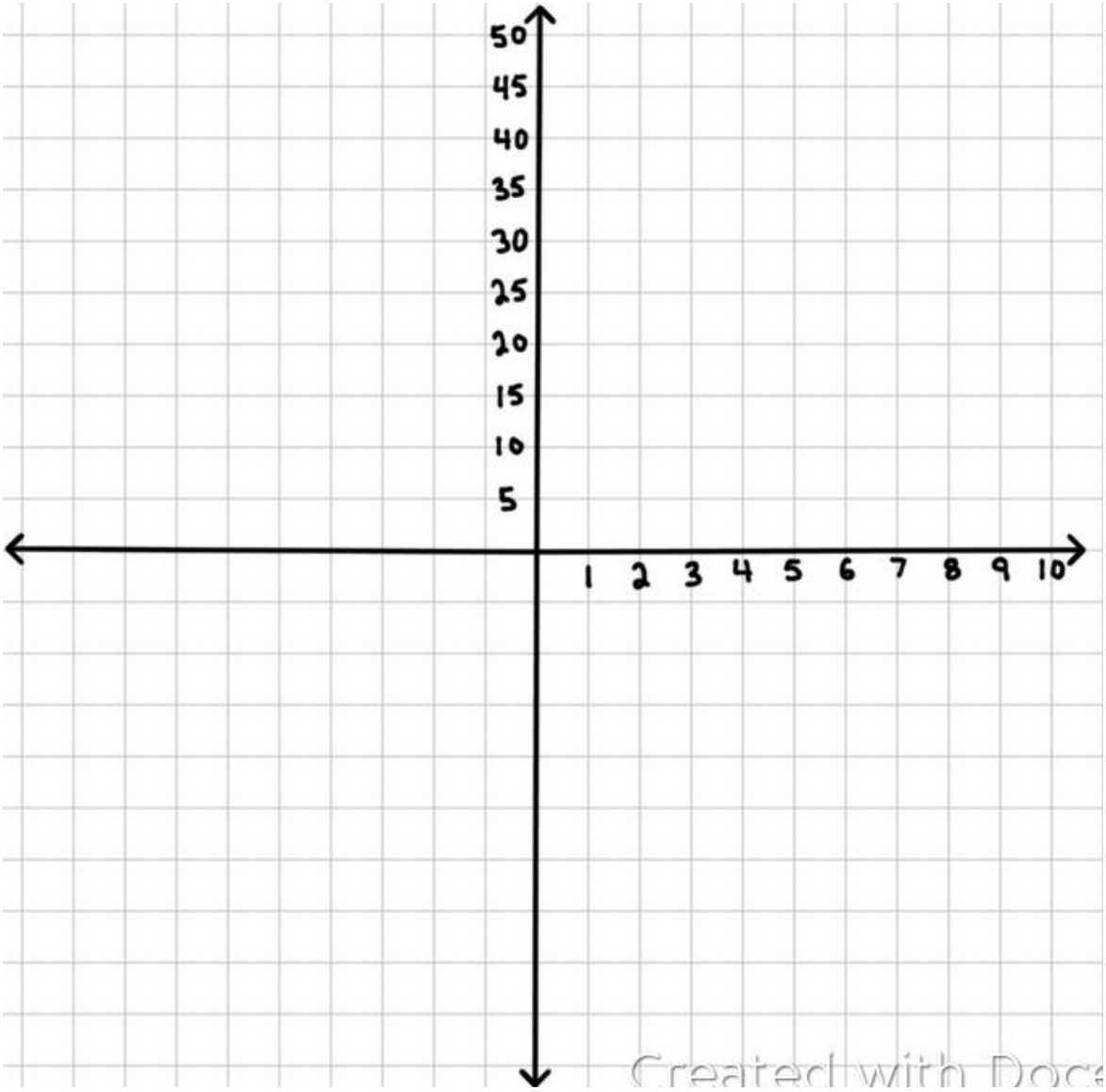
A yard service charges a $20 service fee and $3 per plant for trimming.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much will it cost to have 5 plants trimmed?

c) How much will it cost to have 12 plants trimmed?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 7)

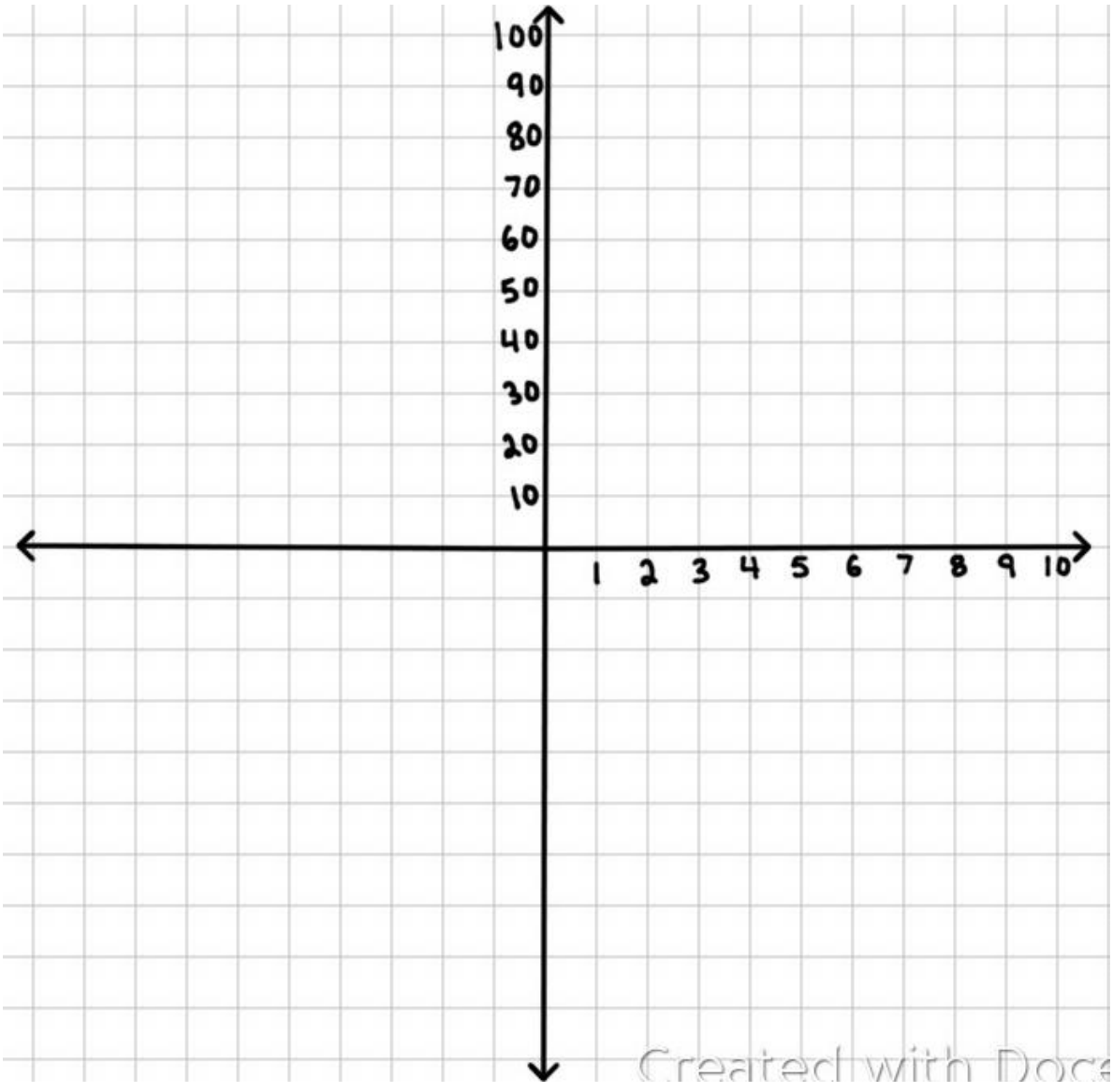
A catering company charges $8 per guest and a registration fee of $50.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost to serve 9 guests?

c) How much does it cost to serve 15 guests?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 8)

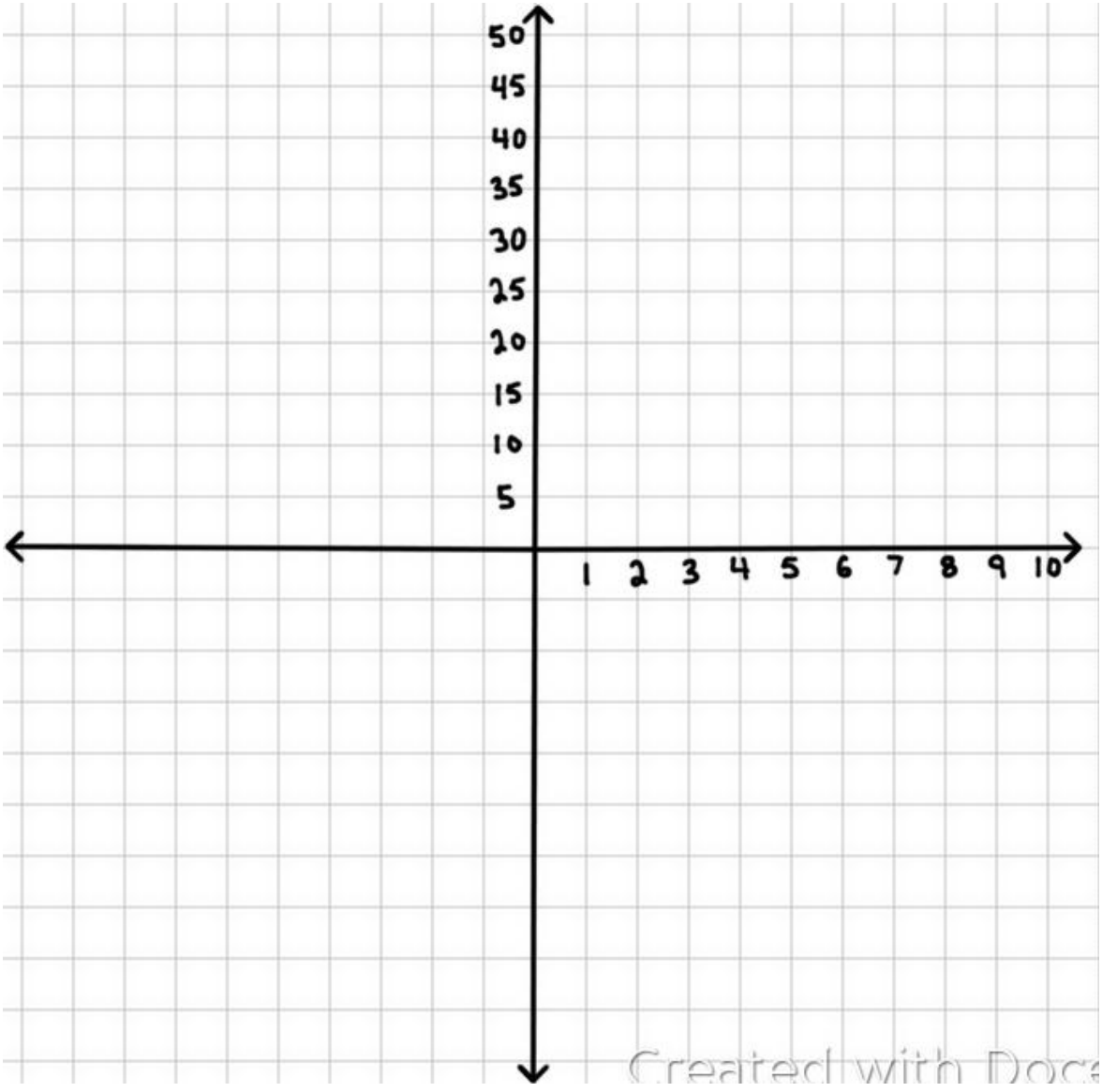
An amusement park charges $2 per ride and $10 admission.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost to get on 10 rides?

c) How much does it cost to get on 15 rides?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?

Station 9)

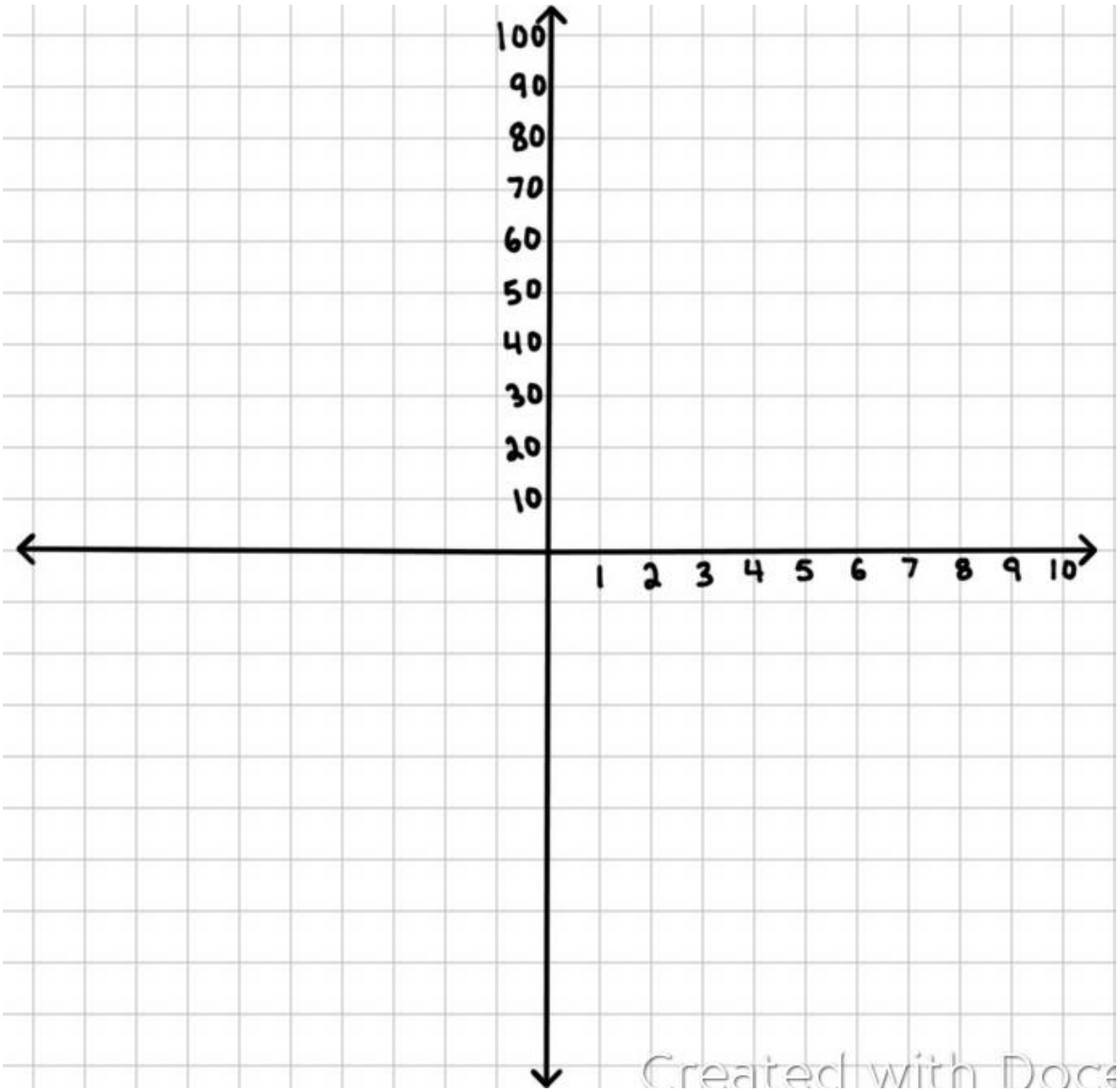
A cleaning company charges $22 per hour and a $10 disposal fee.

a) Write an equation to represent the situation in the form y = mx + b.

b) How much does it cost for 2 hours of cleaning?

c) How much does it cost for 5 hours of cleaning?

d) Graph the function on the coordinate plane.



e) What is the slope?

f) What is the y-intercept?