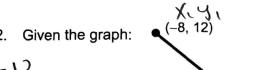
SLOPE-INTERCEPT FORM OF A LINE (FUNCTIONAL FORM)

1. The linear function f passes through points A (0, 6) and B (6, -3).

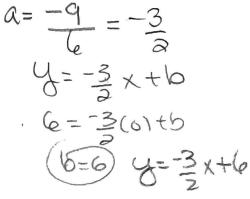
What is the rule of this function?



$$C_{1} = \frac{3 - 12}{-2 - 8}$$

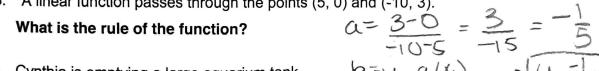
$$= \frac{-9}{6} = \frac{3}{2}$$

y=3x+b

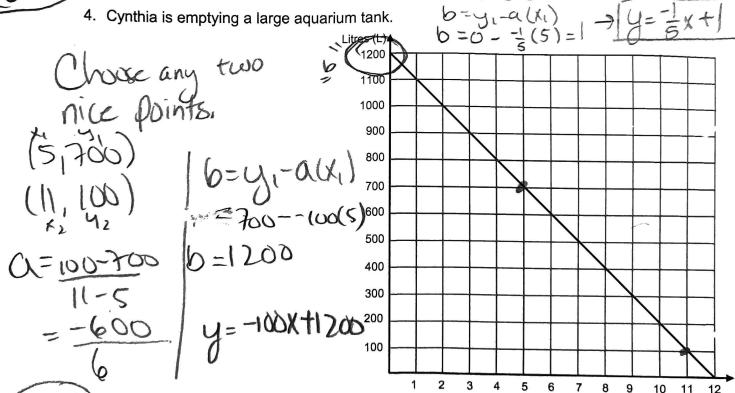


 $3 = -\frac{3}{3}(-2)$ the what is the equation of the line?

X, YI 3. A linear function passes through the points (5, 0) and (-10, 3).



4. Cynthia is emptying a large aquarium tank.



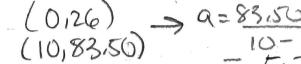
What is the rule showing the relation between time and litres left in the tank?

SLOPE-INTERCEPT FORM OF A LINE (FUNCTIONAL FORM)

5. A new amusement park offers two different pricing options:

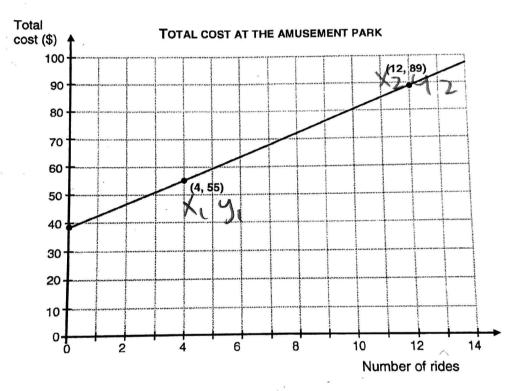
OPTION A: $\chi = \mathcal{H}_{e} + \mathcal{H}_{e}$ The entrance fee is \$26, plus an additional cost per ride. For 10 rides, the total cost is \$83.50.

OPTION B:



The relationship between the number of rides and the total cost is shown in

graph:



a) What is the cost per ride for Option-Af

b) What is the entrance fee for Option B?

cost per side
$$a = \frac{89 - 55}{12 - 4} = \frac{34}{8} = 4.25$$

