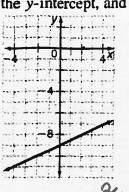
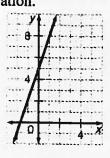
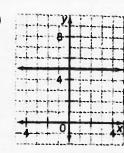
15 abell Flortings

Practise: Determine the Equation of a Line

1. For each graph below, state i) the slope as a fraction in lowest terms. ii) the y-intercept, and iii) the equation.







slope: - 3/4 = - 43

y-intercept: ____ equation: $y = \frac{1}{2} = 9$

slope: 3/1
y-intercept: 5

equation: $y = \frac{3}{1} \times \sqrt{5}$

slope: _____

y-intercept: 5

equation: $y = \frac{5}{3}$

2. Use the given information to write the equation of each line in the form y = mx + b.

a) slope = $-\frac{1}{3}$ and y-intercept = 2 $\frac{4}{3} + \frac{3}{3} + \frac{3}{3}$

b) m = 4 and b = -3

3. Use the given information to write the equation of each line.

a) slope = -2, through the point (0, 0)



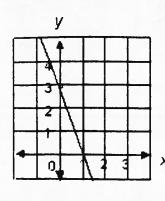
c) m = -4, through the point (4, 8)

y = -4x + b 8 = -4(4)+0 8: 10+0

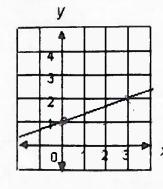
y = -4x + 24

Find the equation of each line.

(a)



(b)



- (a) y=2x+3 = -3x+3
- (b) 4= 13 x +1