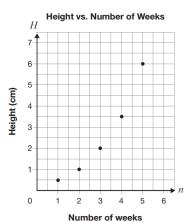
Review and EQAO Practice for Chapter 5 Part 1

5 Information about the relationship between the height of a plant and time is shown on the grid below.

2016



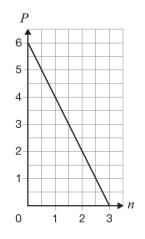
Which table of values shows only information about this relationship?

| a | Number of weeks | Height (cm) | | |
|----------|--------------------|----------------|--|--|
| | 1 | 2 | | |
| | 2 | 3 | | |
| | 6 | 5 | | |
| | | | | |
| (b) | Number | Hoight | | |
| <u> </u> | of weeks | Height (cm) | | |
| | | | | |
| | of weeks | (cm) | | |
| | of weeks | (cm) 1 | | |
| | of weeks 2 3 | (cm) 1 2 | | |

| | of weeks | (cm) |
|---|----------|--------|
| | 1 | 1 |
| | 2 | 2 |
| | 4 | 7 |
| | | |
| d | Number | Height |

| u | Number of weeks | Height (cm) |
|---|--------------------|----------------|
| | 2 | 1 |
| | 3 | 2 |
| | 4 | 4 |

8 Consider the graph below.



Which of the following is an equation representing this graph?

a P = 2n + 6

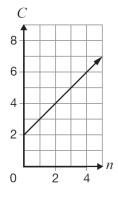
b $P = \frac{1}{2}n + 6$

C P = -2n + 6

d
$$P = -\frac{1}{2}n + 6$$

2015

10 A relationship is represented by the following graph.



Which equation represents this relationship?

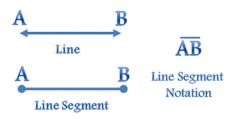
(a)
$$C = n + 2$$

(b) $C = n + 1$
(c) $C = 2n + 2$
(d) $C = 2n + 1$

21 The end points of line segment AB are A(3, -12) and B(6, k).

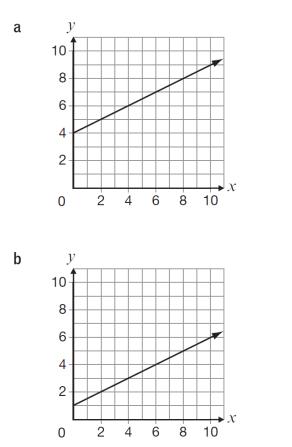
What is the value of *k* if the slope of line segment AB is -2?

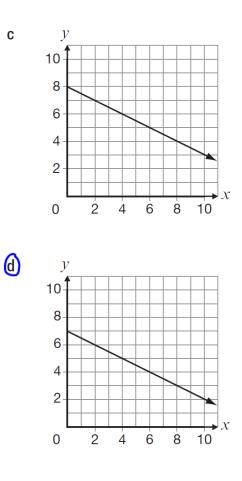
- **a** -18
- **b** -6
- **c** 6
- **d** 18



A line passes through the point (6, 4) and has a slope of $-\frac{1}{2}$.

Which of the following graphs represents this line?







16 A formula for determining the slope of a line is given below.

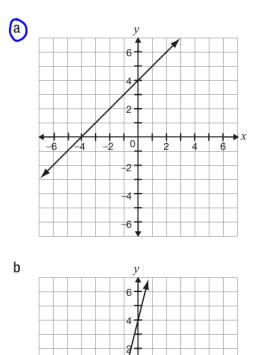
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

What is the slope of the line that passes through the points (2, 3) and (5, -6)?

- **a** -11 b -3**c** $-\frac{1}{3}$ d $-\frac{1}{11}$
- **17** Consider the line represented by the equation y = 3x + 2.

A new line is formed by decreasing the slope and increasing the y-intercept.

Which of the following could be the graph of the new line?



0

-2

-4

6

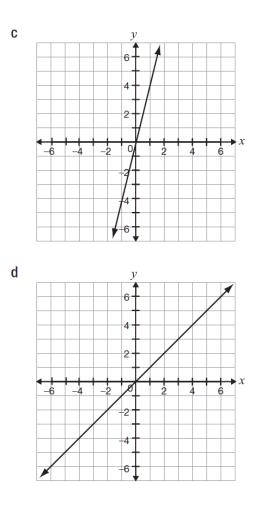
-2

2

6

-4

-6



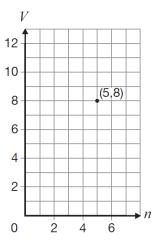
I A line has a *y*-intercept of 4 and a slope of -3.

Which equation represents this line?

- **a** y = 4x + 3
- **b** y = 4x 3
- c y = 4 + 3x
- **d** y = 4 3x

2013

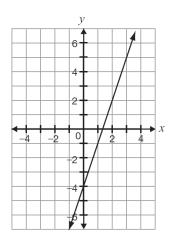
The point on the grid below belongs to a linear relation that has $-\frac{3}{2}$ as its rate of change.

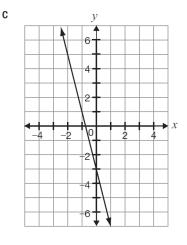


Which of the following points also belongs to this relation?

- a (2,6)
- **b** (2,10)
- **(**3,11)
- **d** (7,11)

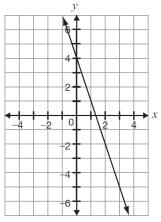
Which of the following lines has the same slope as the line represented by y = -3x + 4?

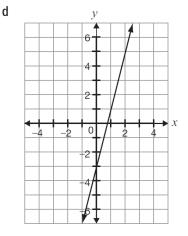






а





y

10

6

4

2

0

-2

-4

-6

-8--10-

y

10

8

6 4

2

0

-2

-4

-6

-8

-10-

b

a

19 Which of the following is the graph of the equation y = -2x + 6?

C

d

х

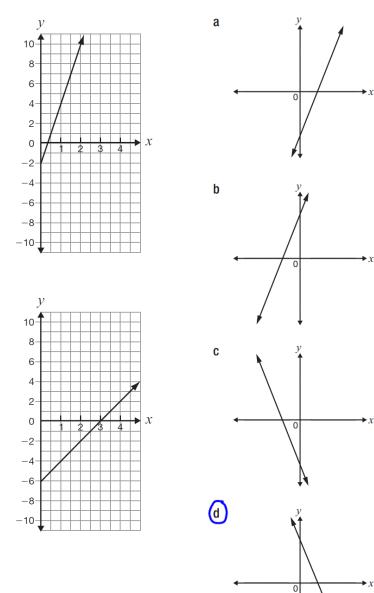
4

х

4

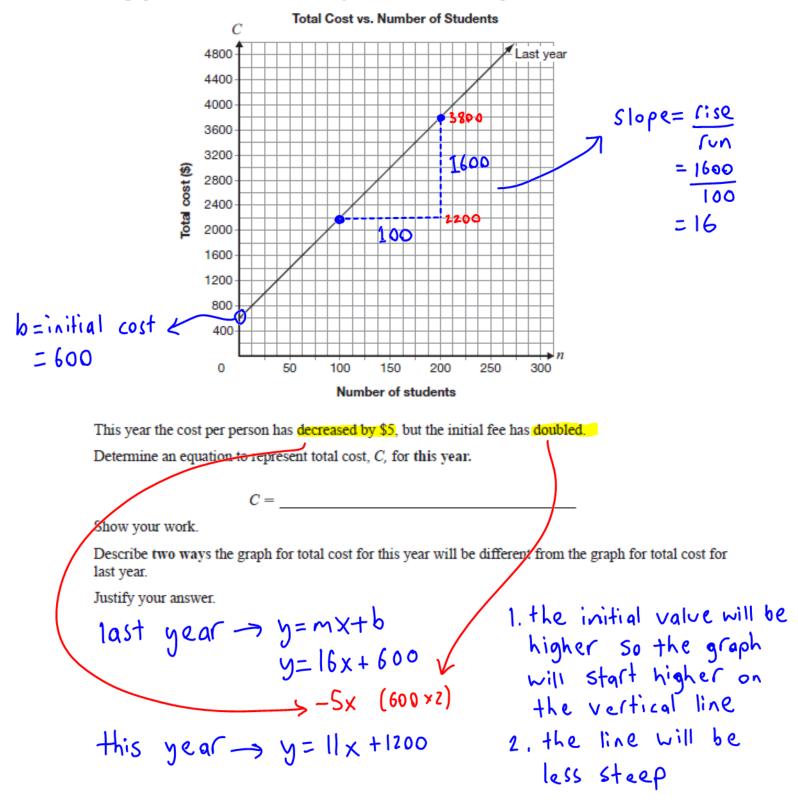
2018

Which of these graphs could represent y = 5 - 2x?



What's the New Price?

This graph shows information about last year's total cost for a banquet for n students.



Lovely Lines

Line 1 is shown on the grid below.

