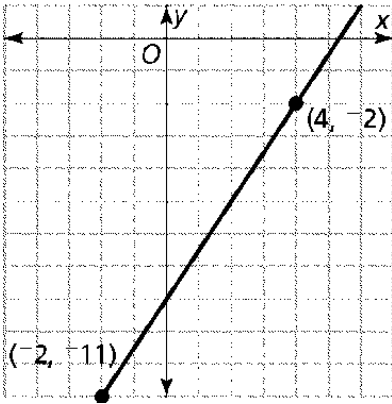
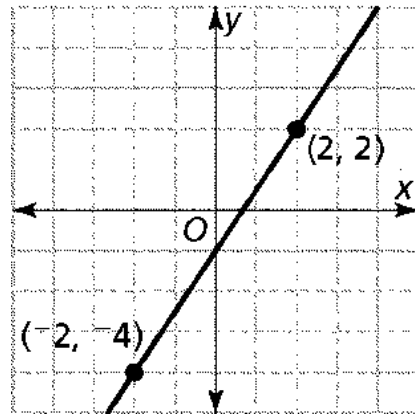


Write the equation for the lines shown in the graphs below.

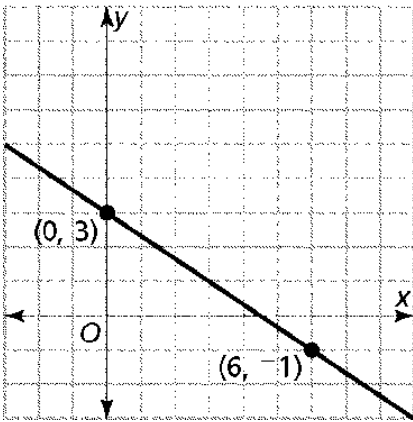
A



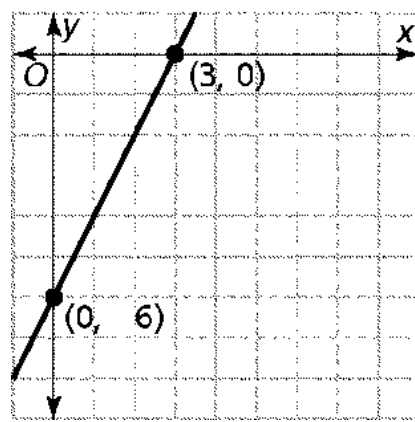
B



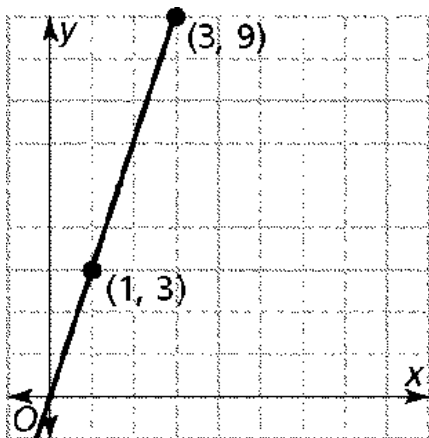
C



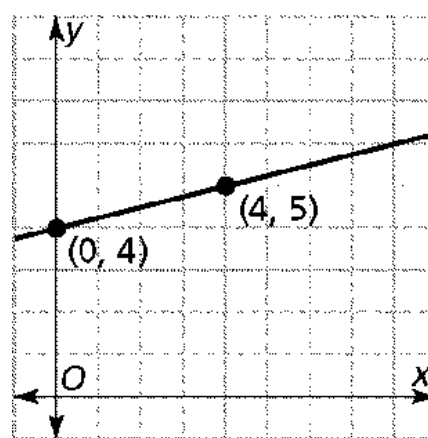
D



E



F



Determine whether the relationship between x and y is linear or not. If it is linear, write the equation. If it is not linear, explain how you know.

G

x	2	4	6	8
y	21	16	12	7

H

x	1	2	4	6
y	15	19	27	35

I

x	1	2	3	4
y	16	24	32	40

J

x	5	-5	-13	-21
y	-2	3	7	11

K

x	3	6	9	15
y	2	3	4	6

L

x	1	2	3	4
y	2	4	8	16

M

x	2	3	4	5
y	15	17	19	21

N

x	2	4	6	8
y	17	29	41	53

O

x	-4	-2	2	4
y	6	10	18	22

P

x	3	6	9	15
y	8	7	6	5

Q

x	7	25	30	37
y	-2	-2	-2	-2

R

x	1	3	5	7
y	10	7	4	1

Write the equation of the line given the following conditions:

S passes through the points (2, 7) and (6, 15)	T with slope -2 that passes through the point (3, -9)
U passes through the points (2, -9) and (-2, 3)	V with slope $\frac{3}{2}$ that passes through the point (-2, 0)
W passes through the points (4, 1) and (-2, 4)	X with slope $\frac{2}{3}$ that passes through the point (6, 2)
Y passes through the points (2, 1) and (6, 9)	Z with slope -4 that passes through the point (-7, 5)
a with slope = $\frac{1}{2}$ that passes through the point (-10, 7)	b passes through the points (2, -11) and (-5, 10)
c passes through the points (8, 2) and (-2, 7)	d passes through the points (-2, 2) and (3, -2)