

MARCH 31, 2016

UNIT 6: LINEAR RELATIONS

**4.3: ANOTHER FORM OF THE
EQUATION FOR A
LINEAR RELATION**

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MATH 9



WHAT'S THE POINT OF TODAY'S LESSON?

We will continue working on the Math 9 Specific Curriculum Outcome (SCO) "Patterns and Relations 2" OR "PR2" which states:

"Graph linear relations, analyze the graph and interpolate or extrapolate to solve problems."

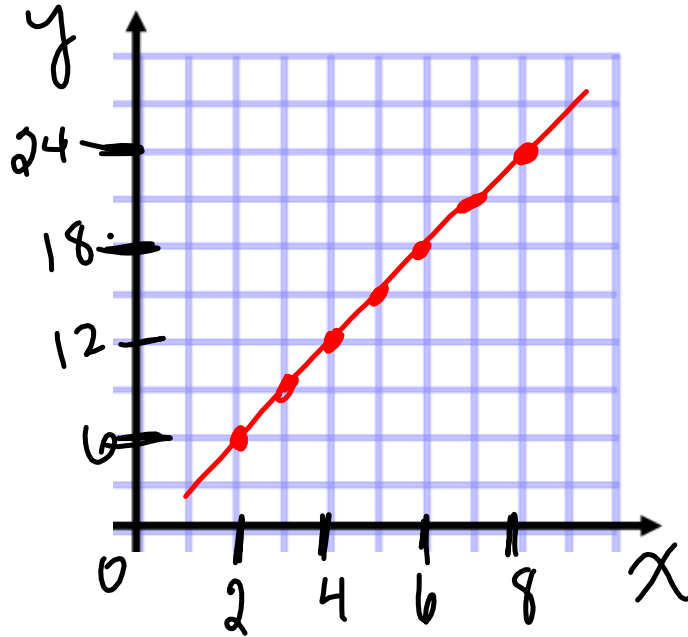
HOMWORK QUESTIONS?

(pages 171 - 173, #7 TO #16)

8d 9c 10bd 11

c) $y = 3x$

8. d)



e)

x	-1	0	1	2	3	4	5	6	7	8
y	-3	0	3	6	9	12	15	18	21	24

$$y = 3x$$

$$y = 3(-1)$$

$$y = -3$$

HOMEWORK QUESTIONS?
(pages 171 - 173, #7 TO #16)

9. c)

x	y
-4	11
-2	7
0	3
2	-1
4	-5

+2

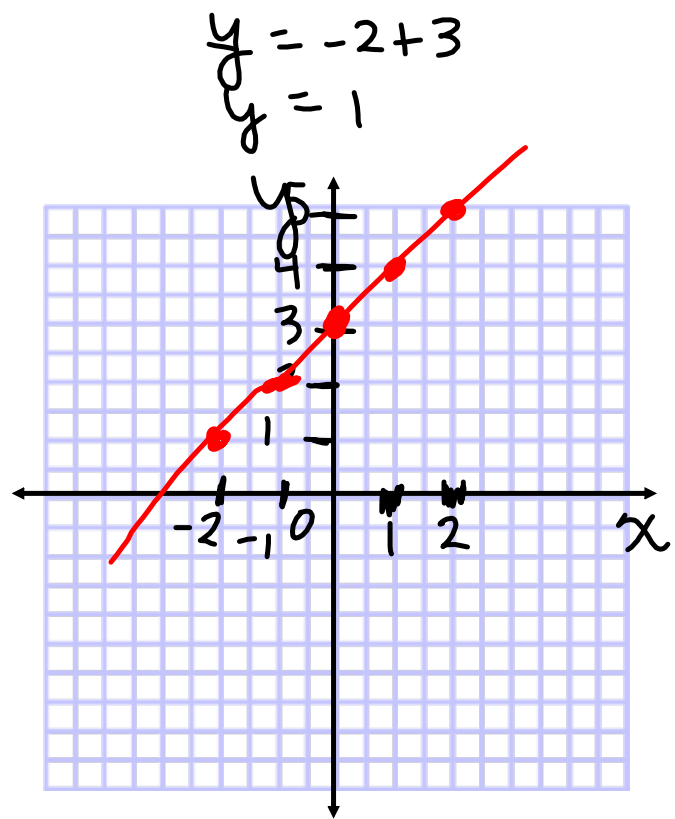
-4

$$y = -2x + 3$$

HOMWORK QUESTIONS? (pages 171 - 173, #7 TO #16)

10. b) $y = x + 3$

x	y
-2	1
-1	2
0	3
1	4
2	5

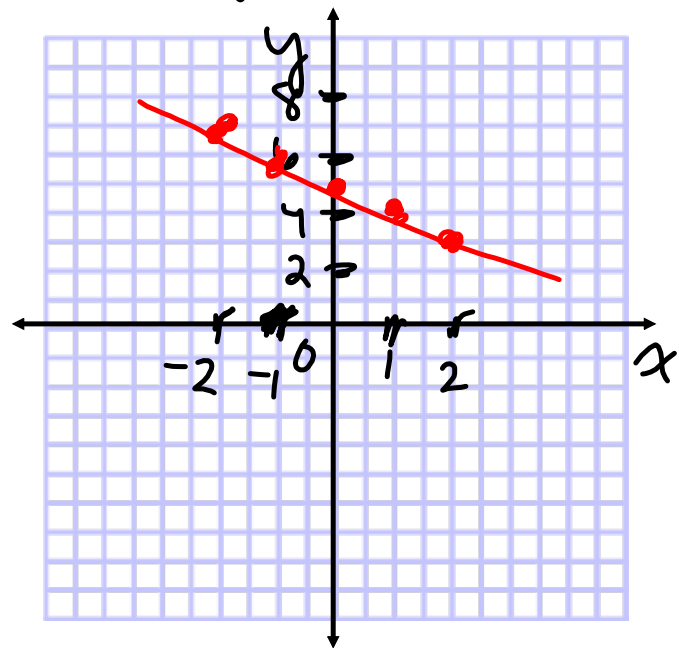


HOMEWORK QUESTIONS?
(pages 171 - 173, #7 TO #16)

10.d) $y = 5 - x$

$y = 5 - (-2)$
 $y = 7$

x	y
-2	7
-1	6
0	5
1	4
2	3



HOMEWORK QUESTIONS? (pages 171 - 173, #7 TO #16)

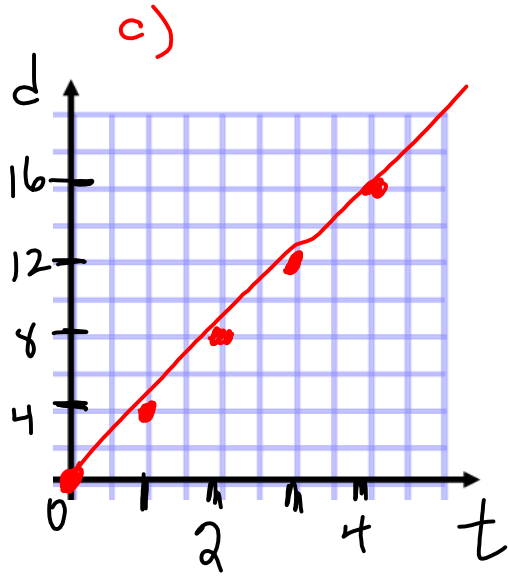
11. a) 4 m/s

b)

t	d
0	0
1	4
2	8
3	12
4	16

+1

+4



e)

$$d = 4t$$

$$d = 4(12600)$$

$$d = 50400 \text{ m}$$

$$d = 50.4 \text{ Km}$$

$$\frac{3.5 \text{ h} \times 3600}{12600} = 60 \times 60 = 3600$$

f)

$$d = 4t$$

$$\frac{17000}{4} = t$$

$$4250_s = t$$

$$3600$$

$$\frac{425}{360} \text{ h} = t$$

$$1 \frac{65}{360} = t$$

$$1 \frac{13}{72} \text{ h} = t$$

$$\frac{17 \text{ Km} \times 1000 \text{ m/Km}}{17000 \text{ m}}$$

$$\frac{70.83}{6 \overline{) 425}} = 70.83$$

$$\begin{array}{r} 6 \overline{) 425} \\ \underline{42} \\ 050 \\ \underline{48} \end{array}$$

about 1.18 hrs = t

$$t = f + 6$$

$$p = 2t + 2$$

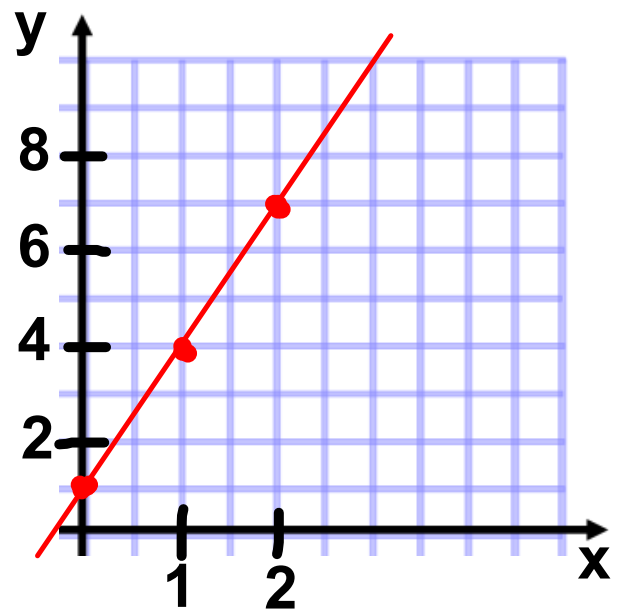
$$k = 10m$$

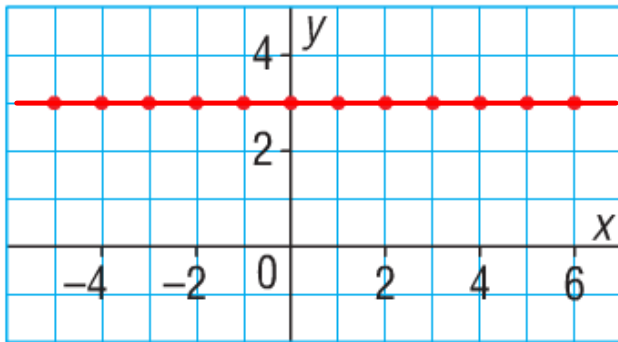
$$C = 0.10n + 20$$

$$P = 2n + 4$$

$$y = 3x + 1$$

x	y
0	1
1	4
2	7





+1

x	y
0	3
1	3
2	3
3	3
4	3

0

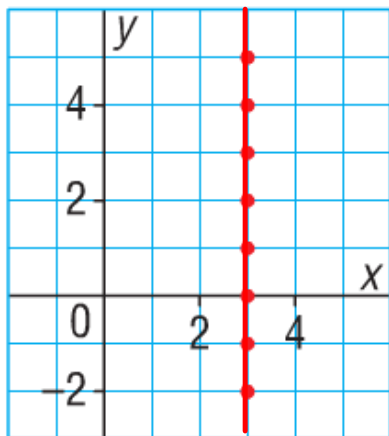
Equation? $y = 3$

$$= \frac{0}{1} = 0$$

$$y = -x$$

$$y = 0x$$

$$y = 3$$



Equation? $x = 3$

x	y
3	0
3	1
3	2
3	3
3	4

0

+1

$$y = 3x + 1$$

oblique / \

$$y = 3$$

horizontal —

$$x = 3$$

vertical |

CONCEPT REINFORCEMENT:

MMS9:

PAGE 178: #4 TO #7