



To be completed on loose-leaf paper.
Show FULL working out.



Aims:

- To provide ongoing revision of skills and concepts
- To develop procedural knowledge and fluency.

Need help? →

1 Evaluate the following:

- a. $-15 + (-5)$ b. -3×-2 c. $8 \div (-2)$
d. $6 + 10 \times [3 + (-2)]$

2 Evaluate each of the following expressions by substituting $x = 2$, $y = -3$ and $z = 5$

- a) $2x(y + 4z)$ b) $\frac{5y-z}{x}$ c) $9xy + 4z$

3 Complete the following tables of values for each rule given, plot the points on a Cartesian plane (on graph paper), and join them to make a linear graph. Label the graphs with the rules.

a) Rule: $y = x$

x	-2	-1	0	1	2
y					

b) Rule: $y = x + 3$

x	-2	-1	0	1	2
y					

c) Rule: $y = -2x$

x	-2	-1	0	1	2
y					

d) Rule: $y = 2x - 5$

x	-2	-1	0	1	2
y					

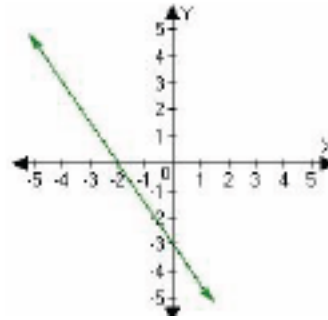
e) Rule: $y = -2x + 3$

x	-2	-1	0	1	2
y					

5.

For the graph shown on the right:

- a. What is the value of the y -intercept?
- b. What is the value of the x -intercept?
- c. What are the coordinates of the y -intercept?
- d. What are the coordinates of the x -intercept?
- e. What is the gradient of the line?
- f. Write the equation of the line in the form $y = mx + c$



ANSWERS: You must show the mathematics used to get these answers. Simply writing the answer is not enough.

No answers given.