Linear Functions

ACMNA215 - Assessment



Name:









Score:

Teacher:

- Q.1. The straight line equation y = 2x + 3 has a gradient of:
 - a) 1
- b) 2
 - 2
- c) 3
- d) 4
- e) 5

- Q.2. The straight line equation y = 4x 2 has a y intercept:
 - a) (0, 2)
- b) (0, -
 - 0, -2)
- (4,0)
- d) (-2, 0)
- e) (2, 0)

Q.3. The equation for the graph opposite could be:

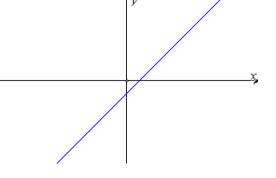


b)
$$y = -x$$

c)
$$y = -x + 1$$







Q.4. The equation for the graph opposite could be:

a)
$$y = x$$

b)
$$y = -x$$

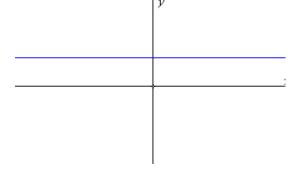
c)
$$y=2$$

e)

$$y - x$$

y = -2

y = x + 1

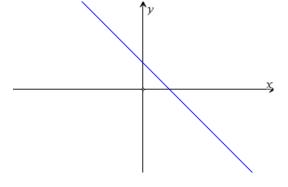


- Q.5. The straight line equation 2x+3y=6 has a y intercept:
 - a) (0, 1)
- b) <mark>(0,</mark> .
- c)
- (0, 3)
- d) (2, 0)
- e) (0, 6)

- Q.6. The straight line equation 4x+3y=12 has an x intercept:
 - a) (1, 0)
- b) (2, 0)
- c) (3, 0)
- d) (12, 0)
- e) (0, 3)

- Q.7. The gradient of the line equation connecting points (2, 3) and (4, 7) is:
 - a) -2
- b) -1
- c) 1
- e) 4
- The straight line equation passing through the points: (2, 5) and (2, 8) is: Q.8.
- b) v = 2
- c) y = 3x 1 d) y = 3x + 1

- Q.9. The equation for the graph opposite could be:
 - y = 2 x
- y = x 2
- c) y = -x 2
- d) y = -2x
- x = -2y



- Q.10. Which one of the following would not produce a straight line graph?

- a) y = 2x b) y = 3 c) x = -2 d) 2x + 4y = 0 e) xy = 1