Linear Functions

ACMNA215 – Assessment

Teachers Teaching with Technology™
Professional Development from Texas Instruments

Name: _____

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Teacher: _____

Assessment | Navigator | Student | 30 min

Q.1. The straight line equation $y = 2x + 3$ has a gradient of:

a) 1 b) 2 c) 3 d) 4 e) 5

Q.2. The straight line equation $y = 4x - 2$ has a y intercept:

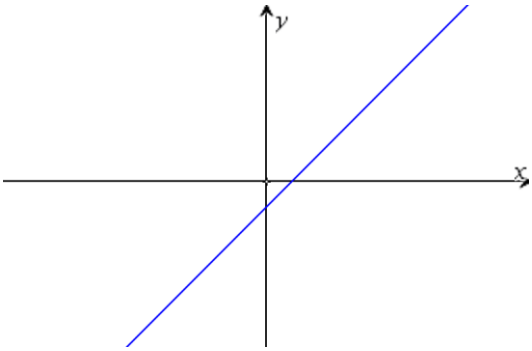
a) (0, 2) b) (0, -2) c) (4, 0) d) (-2, 0) e) (2, 0)

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

a) $y = x$ b) $y = -x$

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

e) $y = x + 1$

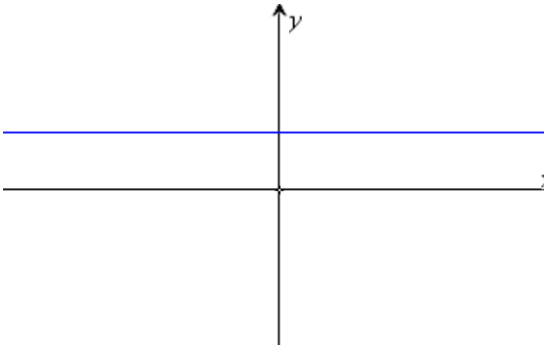


Q.4. The equation for the graph opposite could be:

a) $y = x$ b) $y = -x$

c) $y = 2$ d) $y = -2$

e) $y = x + 1$



Q.5. The straight line equation $2x + 3y = 6$ has a y intercept:

a) (0, 1) b) (0, 2) 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)

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Q.7. The gradient of the line equation connecting points (2, 3) and (4, 7) is:

a) -2 b) -1 c) 1 d) 2 e) 4

Q.8. The straight line equation passing through the points: (2, 5) and (2, 8) is:

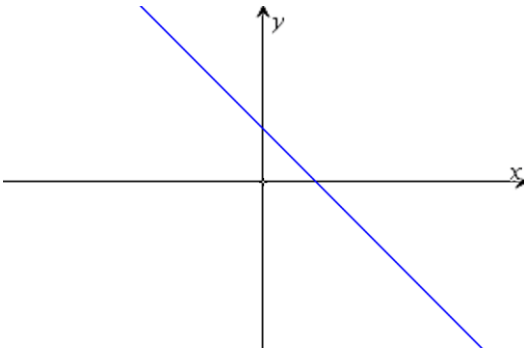
a) $x=2$ b) $y=2$ c) $y=3x-1$ d) $y=3x+1$ e) $y=3x$

Q.9. The equation for the graph opposite could be:

a) $y=2-x$ b) $y=x-2$

c) $y=-x-2$ d) $y=-2x$

e) $x=-2y$



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) $xy=1$

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