Linear Graphs

Cut out each statement and put into the following three groups.

Are these statements:
1. Always true?
2. Sometimes true?
3. Never true?

1. A linear graph has points that are in a straight line.	8. A linear graph meets the y-axis at a given point.
2. A horizontal line has the equation y = a number.	9. The gradient of a line is a measure of its slope.
3. The graph of y = 3x – 2 goes through the point (0, 3)	10. The equation of a linear graph is written in the form y = mx+c where m and c are numbers.
4. The co-ordinates of points on a line are written in the form (x, y).	11. A vertical line has the equation x = a number
4. The point (3, 4) is on the line y = 3x – 5.	12. The gradient of the line y = 2x – 1 is -1.
6. The line x + 2y = 5 has a negative gradient.	13. A linear graph has a turning point.
7. A linear graph has a gradient.	14. The gradient of the line between (2, 3) and (-1, 9) is 2.

Linear Graphs - Answers

Cut out each statement and put into the following three groups.

Are these statements:

5.   Always true?
6.   Sometimes true?
7.   Never true?

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