Name: _____ Nos: ___ Grade: ___ LESSON QUIZ

Finding the equation of a line G10

Guidance 1. Read each question carefully before you begin answering it.

2. Check your answers seem right from the table given. 3. Always show your workings.

1. The line L passes through the points (0, 7) and (3, 19).

Work out the equation of the line L. Answer: _____

2. The point A (−3, 5) and the point B (1, −15) lie on the line L. Find the equation of the line L Answer: _____

3. The point A (1, 1) and the point B (5, −1) lie on the line L. Find the equation of the line L. Answer: _____

4. A line has a gradient of 8 and passes through the point (2, 3). Find the equation of the line. Answer: ____

5. A line has a gradient of −½ and passes through the point (−6, −8). Find the equation of the line. Answer: ____

6. A line has a gradient of −⅘ and passes through the point (30, 24). Find the equation of the line. Answer: _____

7. (a) Write down the gradient of the straight line with equation y = 8x + 2.
Answer: _____

(b) The line cuts the y-axis at the point A: write down the coordinate of point A. Answer: _____

(c) The line cuts the x-axis at the point B: Write down the coordinates of the point B. Answer: _____

Drag your right answers from the table below.

(0,2)	Y= $-\frac{4}{5}x+48$	8x−13	Y = −5x−10	(-0.25,0)	Y= $-\frac{1}{2}x-11$	8	Y = 4x + 7	Y = $-\frac{1}{2}x+1.5$

Click on finished, check your answers, well then, upload via class point or line ID: gpower11

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LIVEWORKSHEETS