Name: _____ Nos: ___ Grade: ___ LESSON QUIZ- B

Analytical Geometry: Parallel lines & Perpendicular Lines - G10

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

2. Don't spend too long on one question. 3. Attempt every question.

4. Check your answers seem right from the table given. 5. Always show your workings.

1. The straight-line L has equation $y = 3x + 2$

The straight-line M is parallel to line L and passes through the point $(5, -1)$. Find the equation of line M. **Answer:** _____

2. The straight-line K has equation $y = 2x - 5$

The straight-line J is perpendicular to line K and passes through the point $(-4, 8)$.

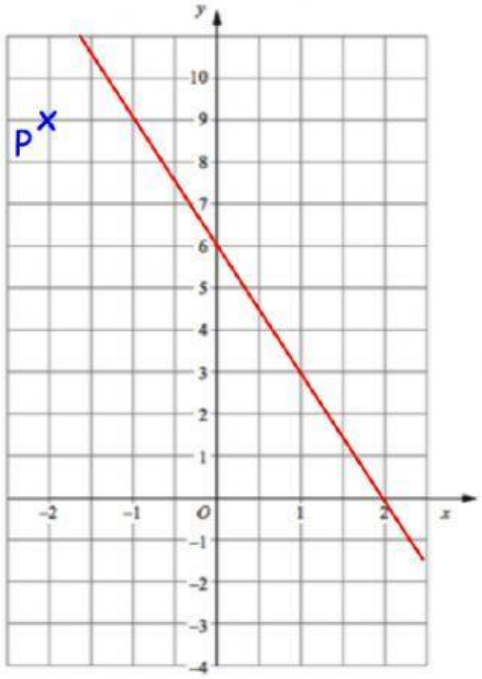
Find the equation of J. **Answer:** _____

3. A straight line, L, is perpendicular to the line with equation $y = 2x + 3$

L passes through the point (10, 3). Answer: _____

Find an equation for the straight-line L.

4.



(a) Find the equation of L.

Answer: _____

The point P has coordinates $(-2, 9)$.

(b) Find an equation of the line that is parallel to L and passes through P.

Answer: _____

Y = $-\frac{1}{2}x + 6$	Y = 3x - 16	Y = −3x + 6	Y = −3x + 3	Y = Y = $-\frac{1}{2}x + 8$

LIVEWORKSHEETS