



Learner assessment: Straight line equations

Time: 20 minutes. Answer independently. Show clear working. Non-calculator core. Calculator optional for checking plotted intersections only.

1. Find the equation of a line with gradient 2 and intercept -3.

Working: _____

Answer: _____

2. Does (4,5) lie on $y = 2x - 3$?

Working: _____

Answer: _____

3. Are $y = 4x + 1$ and $y = 4x - 6$ parallel? Explain.

Working: _____

Answer: _____

4. Exam-style question: Line A is $y = 2x + 1$. Line B is $y = -x + 7$. Find their intersection and check both equations.

Self-review: circle your strongest evidence: method / accuracy / explanation / check