



National 5 Home Ex 5

Solutions

1.

- $M = 3$
- $y - 4 = 3(x - 1)$
- $y = 3x + 1$

2.

- $y = -2/3x + 5/3$
- $m = -2/3$
- $y - (-1) = -2/3(x - 2)$
- $3y + 3 = -2x + 4$
- $Y = -2/3x + 1/3$

3.

- $M = (4b^2 - a^2) / (2b - a)$
- $M = (2b - a)(2b + a) / 2(b - a)$
- $M = (2b + a) / 2$

4.

- $Y = -2x + 3$
- Graph is B or D because of negative gradient
- Graph is D as y-intercept is +3

5.

- $M = \tan 30^\circ$
- $M = 0.58$

Total = 16 marks