

**Answers**

Clear, easy to follow, handwritten solutions in the Online Study Pack at <https://www.national5maths.co.uk/students/>

1.  $\frac{13}{20}$

2.  $7x^2 - x + 25$

3.  $\frac{3\sqrt{2}}{2}$

4.  $a = 3, b = 50^\circ$

5.  $\frac{3x-2}{x^2}$

6.  $q = \frac{v+r}{3p^2}$

7.  $\frac{3}{5}$

8.  $p = \pm 4$

9.  $\frac{4}{x^2}$

10.  $50 \cdot 24$

11.  $a = 10$

12.  $v = \begin{pmatrix} 2 \\ 4 \\ -5 \end{pmatrix}$

13.  $68^\circ$

14.  $P\left(\frac{9}{2}, \frac{5}{2}\right)$