



1 $8\sqrt{5}$	2 $\frac{x + 18}{(x - 6)^2}$	3 $y = (x + 3)^2 - 7$	4 $1\frac{23}{27}$	5 10	6 $(8x + 9y)(8x - 9y)$
7 $z = \left(\frac{m - n}{4}\right)^2$	8 $h = 90^\circ$ $i = 68^\circ$	9 $x = -6.5$ $x = -0.5$	10 $\frac{1}{x^5}$	11 3140 mm^3	12 $\frac{4x - 87}{(x + 3)(x - 8)}$
13 $G(0, 9, 6)$	14 £72	15 $y = -5x + 23$	16 1260 m^2	17 $3x^3 + 2x^2 - 47x - 6$	18 $x = 10$ $y = -7$
19 46 m	20 3.16	21 18.5°C	22 $x = 7$	23 Since $b^2 - 4a < 0$ there are no real roots	24 67.5 m
25 61.8°	26 $a = 3$ $b = 4$	27 (6, -36)	28 $x = 36.9^\circ$ $x = 323.1^\circ$		