

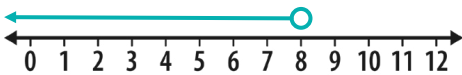
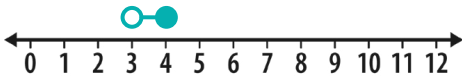
Solving linear equations

Introduce

- Q1 $r = 32$
- Q2 $y = 24$
- Q3 $x = -3$
- Q4 $h = 1.7$
- Q5 $x = 2$

Linear inequalities

Introduce

- Q1 $x > 7$
- Q2a $x < 8$
- Q2b  A number line from 0 to 12 with an open circle at 8 and a ray pointing to the left.
- Q3 $a \geq 6$
- Q4 2, 3
- Q5  A number line from 0 to 12 with closed circles at 2 and 3, and a line segment connecting them.

Index laws

Introduce

- Q1a c^7
- Q1b d^6
- Q1c f^{24}
- Q2 $5n^8p^5$
- Q3 $5u^4$
- Q4 $49a^{18}b^{-10}$
- Q5 $6k^9$

Linear simultaneous equations

Introduce

- Q1 $x = 3, y = 2$
- Q2 $a = 2, b = 6$
- Q3 $x = 1, y = -2$
- Q4 $x = 2, y = 5$

Linear graphs and coordinates

Introduce

- Q1 $y = -6x + 4$
- Q2a -8
- Q2b 5
- Q3 $y = 8x + \frac{2}{5}$
 $y = 3 + 8x$
 $8x + 5 = y$

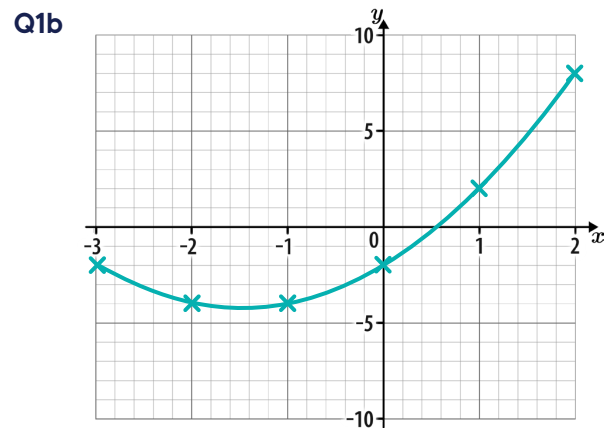
- Q4 1
- Q5 3.5 or equivalent

Quadratic graphs and equations

Introduce

Q1a

x	-3	-2	-1	0	1	2
y	-2	-4	-4	-2	2	8



- Q2a (0, -6)
- Q2b (1, -8)
- Q2c (-1, 0) and (3, 0)
- Q3 $t = 2, t = 6$

Mixed topics

Deepen

Q1 $-1, 0, 1$

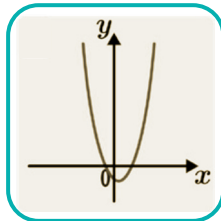
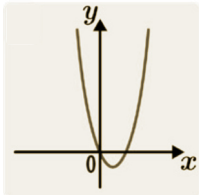
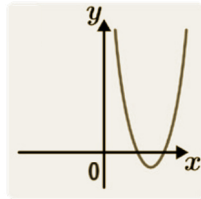
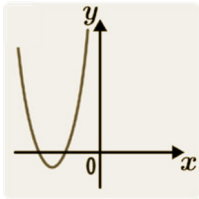
Q2 $w = 21$

Q3 $x = 3, y = 2$

Q4 $c = 8, d = 3$

Q5 $x = 2, y = 1$

Q6



Q7 $p = 5$

Q8a $(4, 3)$

Q8b $x = 4$

Q9 $f = -3$

Q10 7

Q11 $y = 3x + 5$

Q12 $x = 15^\circ, y = 5^\circ$

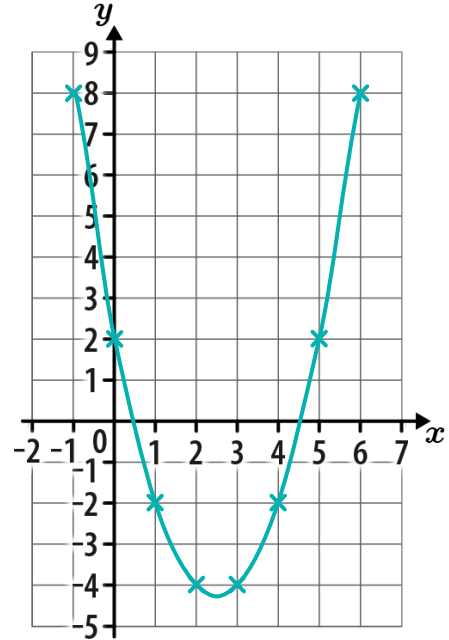
Mixed topics

Deepen

Q13a

x	-1	0	1	2	3	4	5	6
y	8	2	-2	-4	-4	-2	2	8

Q13b



Q13c $x = 0, x = 5$