

## FOCUS 8

### Set 2A

#### Skills

- $9 + 2\sqrt{3}$
- $(4x - 3)(1 - 2x)$
- $4/15$
- $x < 5$
- $Y = 2x + 2$
- 20 mins
- £0.54
- $11x/20$

#### Tasks

- 32
- $3(x - 2)^2 - 14$  (2, -14)
- $x = 3.10$   $x = -0.43$
- $x = -1$   $y = 1$   $x = -1/3$   $y = 5/3$
- 
- 23.75

## FOCUS 8

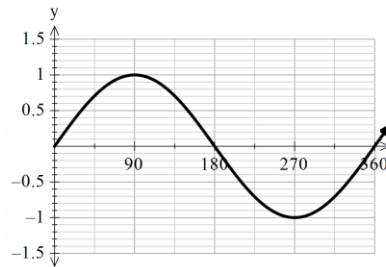
### Set 2B

#### Skills

- $4 + 12\sqrt{2}$
- $(2x - 3)(3 - 4x)$
- $1 \frac{9}{10}$
- $x \geq 3$
- $y = -2x + 2$
- $0.625 \text{ g/cm}^3$
- £676.50
- $13x/12$

#### Tasks

- $a = 1$   $b = -4$
- 
- 28.5 %
- 2
- 
- $2/7$



## FOCUS 8

### Set 2C

#### Skills

- $8\sqrt{2} - 16$
- $(3 - 4x)(3x + 4)$
- $3 \frac{1}{12}$
- $x \geq 1/3$
- $y = -4x + 20$
- 12.5 km
- £625
- $x/12$

#### Tasks

- $a = 5$   $b = 4$
- $-2 \frac{1}{3}$
- $(4x+3)/(2x+1)$
- $y = -x - 4$
- 74.4 m
- 26

## FOCUS 8

### Set 2D

#### Skills

- $12 - 9\sqrt{2}$
- $2(7 - 2x)(x + 1)$
- $4/5$
- $x \leq 4$
- $y = 9x + 39$
- $30 \text{ N/m}^2$
- £800
- $(7x-3)/12$

#### Tasks

- 5.00 4.16 4.23
- $3n^2 - 5n + 1$
- $x = \left(\frac{c}{a+b}\right)^2$
- $x < -\frac{1}{2}$ ,  $x > \frac{3}{4}$
- $x > 2$   $y < 7$   $y = 2x - 3$
- $184.4 \text{ cm}^2$

## FOCUS 8

### Set 2E

#### Skills

- $6 - 6\sqrt{3}$
- $(1 - 6x)(2x - 3)$
- $3 \frac{7}{15}$
- $x < 4$
- $y = -6x - 9$
- 0.8 N
- 42.5%
- $\frac{49x+52}{30}$

#### Tasks

- $3 - 4x^2 + 4x$
- $y = 4x - 21$
- 3 cm
- 30.7 cm
- (4,3)
- 3 : 2