

FOCUS 7

Set 1A

Skills

- 1 $x^2 + y^2 = 16$
- 2 $2 \frac{3}{10}$
- 3 $x = 2$
- 4 $6 + 4\sqrt{3}$
- 5 $-1/2$ (0,4)
- 6 0.04 N
- 7 £463.30
- 8 200

Tasks

- 1 $x = 16$
- 2 $3n^2 - n - 1$
- 3 8.1 cm (1.5, 7)
- 4 $(3x + 2)(2x - 3)$
- 5 29
- 6 $5/9$

FOCUS 7

Set 1B

Skills

- 1 $x^2 + y^2 = 81$
- 2 4
- 3 $x = -7$
- 4 $12 + 4\sqrt{2}$
- 5 2 (0,1)
- 6 45 km
- 7 £40.80
- 8 160

Tasks

- 1 $s = 500$
- 2 $x = (b-c)/(a-1)$
- 3 $(x-3)^2 - 7$ (3,-7)
- 4 $x = 4$ cm
- 5 $2\pi + 16$ cm
- 6 14.3 cm²

Set 1C

Skills

- 1 $x^2 + y^2 = 1$
- 2 $5/12$
- 3 $x = 9$
- 4 $3\sqrt{3} - 27$
- 5 2 (0,-3)
- 6 0.4 cm²
- 7 77.5%
- 8 5

Tasks

- 1 $2 + 2\sqrt{3}$
- 2 8
- 3 -0.32, 1.57
- 4 $2 \times 10n$ (even)
- 5 46.4 cm²
- 6 $x = 17.3$ cm

FOCUS 7

Set 1D

Skills

- 1 $x^2 + y^2 = 81$
- 2 $13/40$
- 3 $x = -1/3$
- 4 $2\sqrt{3}$
- 5 $-1/3$ (0, 2.5)
- 6 50 km/h
- 7 £64.80
- 8 43

Tasks

- 1 18 red
- 2 $x=1$ $y=2$, $x=2$ $y=5$
- 3 $x=0$, $x=1$
- 4 48 cm²
- 5 $0.5a + 0.5b$
- 6 11 students

FOCUS 7

Set 1E

Skills

- 1 $x^2 + y^2 = 225$
- 2 $11/13$
- 3 $x=2$
- 4 12
- 5 -2 (0,2)
- 6 80 N/m²
- 7 6%
- 8 1000

Tasks

- 1 514 m
- 2 $x^3 - 7x + 6$
- 3 1
- 4 (-1,2)
- 5 $H = 4r/3$
- 6 $x = 71.8^\circ$