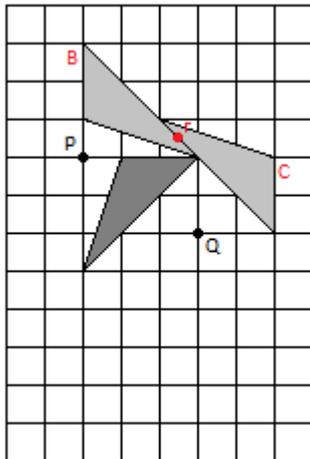


EM 8H Assessment Test

Test – Year End

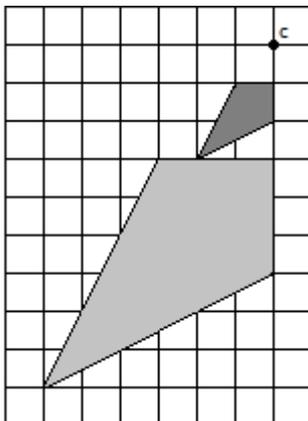
Answers

1. a) 0.89 b) 1.61
2. a) $\frac{3}{7}$ b) -4 c) $\frac{1}{10000}$ or 0.0001
3. a) 128cm^3 b) C & I
4. a) 62.5% b) £4.56
5. a) $x = 4.6\text{cm}$ b) 9.2cm^2
6. a) 1.1m^3 b) 50 000s
7. a) i) 5 ii) 25 iii) 20
 b) i) 45 ii) 135 iii) 90
8. a) 3.8cm
9. a) $n = -7$ b) $n = 3$ c) $n = \frac{1}{2}$ or 0.5
10. a), b) & c)



d) Rotation 180° about new point we have labelled 'r'.

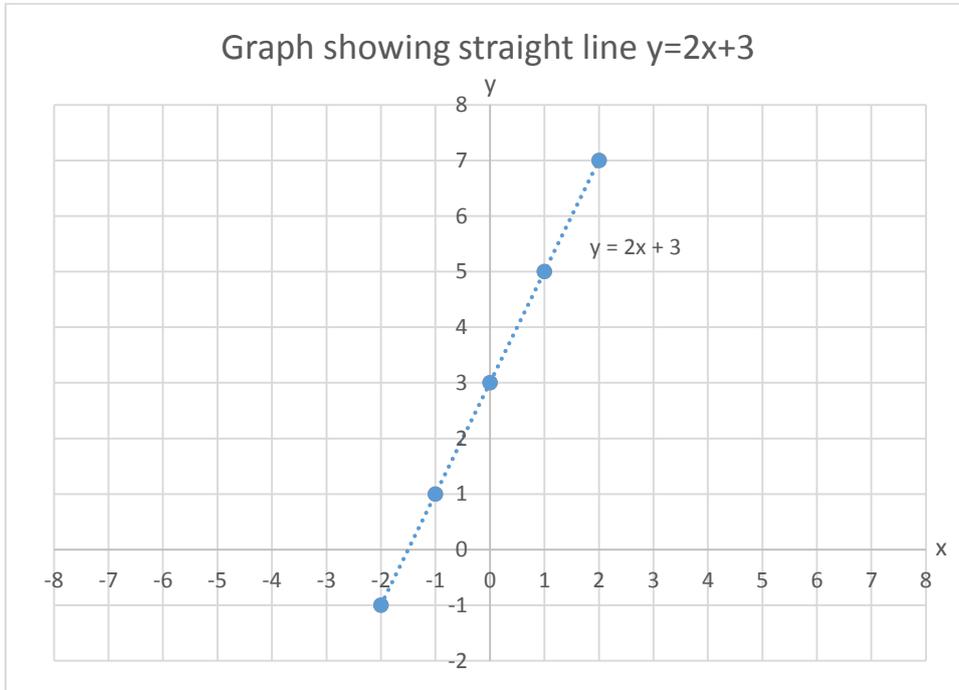
11. a) i) 16 ii) 61 b) $3n + 1$
12. 10
- 13.



14. a)

x	-2	-1	0	1	2
Y	-1	1	3	5	7

b)



c) $(-1.5, 0)$

15. a) $5m^3$

b) 2000 ml or 2l

16. a) $y = 3.46 \text{ cm}$

b) 20.73 cm^2

17. a) 25%, 400%

b) 80%, 125%

c) 500%

18. b) $S = 4n + 1$

c) 201

19. a) 3:5

b) 2:3

20. a) $4x + 5 = 25$ or equivalent

b) 225 cm^2

c) 26.57cm