TACH 2010
UWCH P1

1. 45 (1)

2. $7x = 336$
$x = 48$
96 bag

3. $360 - 125 = 235°$

4. 24, 75
(1.6)

b. $\frac{20}{1.6} = \frac{200}{16} = 12.5$

c. $\frac{210}{6}$ (1) $= £35$ (1)

(ii) 17.5×10 (1) $= 175$ (1)
$+ 20 = £195$ (1)

Na, talu'n gynnar (1)

5. 33.5mm

$90 + 70 + 80 = 240$ (1)
$240 \div 6 = 40mm$ (1) (1)

30mm (1) 32.5mm (1)

Cymedr - ystyried pob gwerth data (1)

6. $\frac{1}{4}M = 25cm$
$\frac{1}{8}M = 12.5cm$

L (1) →	25	12.5
M (2) →	37.5	25
M (3) →	50	37.5
I (4) →	62.5	(dros 55cm)

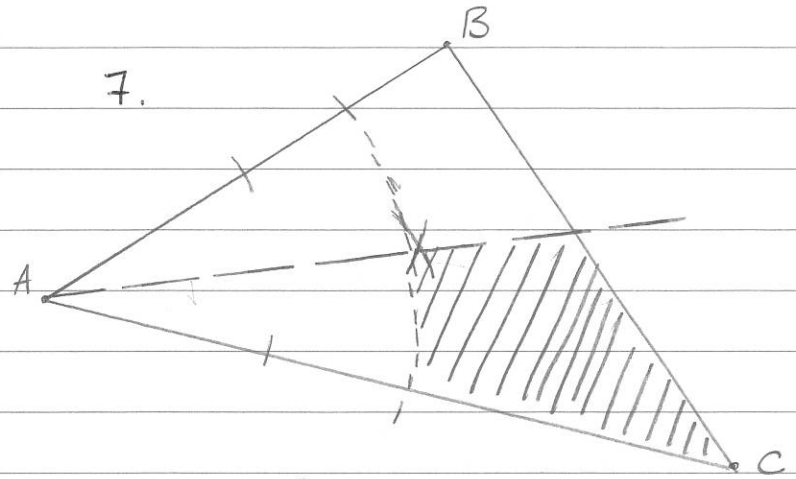
4 dwrnod. → Iau

b) −5, −2, 3 — 1 Term (1), 2+ term (2)

c) $8n - 5$

ch) $3(n+4)$

7.



8. y^6

b) $x^4 + 5x$

c) $8x + 17 = 3x + 27$
$5x = 10$
$x = 2$

9. Plotio → cand y dosb.
Polygon → 1 ~

b) 0, 2, 14, 38, 74, 80

c) 

ch) 181cm ±

ii) 13.5cm ±

10. $\frac{1}{7^2} = \frac{1}{49}$

$13^0 = 1$

$(\sqrt{15})^2 = 15$

c) 3.5×10^7

1.3×10^{-5}

ch) 4×10^{12}

d) $2/3$

dd) $\frac{8}{3} \times \frac{11}{4} = \frac{88}{12} = \frac{22}{3} = 7\frac{1}{3}$

11. $3x + 2y = 32 \xrightarrow{\times 3} 9x + 6y = 96$

$4x + 3y = 44 \xrightarrow{\times 2} 8x + 6y = 88$

$x = 8$

$3x + 2y = 32$

$24 + 2y = 32$

$2y = 8$

$y = 4$

$2x + y = 20kg$

Gwnio

$(32) + (12) = 44$ ✓

12. $\frac{(24+21)}{2} \times 1 = 22.5$ Trap 1

16? 18.5

$\frac{(21+17)}{2} \times 1 = 19$ Trap 2

16? 12.5

$\frac{(17+9)}{2} \times 1 = 13$ Trap 3

$\frac{(9+0)}{2} \times 1 = 4.5$ Trap 4

Cyfanswm = 59

13. FG Ar = $\frac{16}{25}$

FG hyd = $\frac{\sqrt{16}}{\sqrt{25}} = \frac{4}{5}$

Hyd Merlaf = $\frac{4}{5} \times 7.5 = \frac{30}{5} = 6cm$

14 DÔB atblyg = 260° (ongl canol dwywaith cylchyn)

DÔB afrem = 100° (adio i 360°)

b) $D\hat{B}C = 52°$ (hafal i $P\hat{C}D$)

$D\hat{C}B = 50°$ (ongl cyferbyn pedrochr yn adio i 180°)

$B\hat{D}C = 78°$ (onglau Δ = 180°)

15. $y = \frac{k}{x}$ $5 = \frac{k}{2}$ $k = 10$

$y = 10/x$

b. $y = 10/-4 = -2.5$

$0.2 = 10/x$

$x = \frac{10}{0.2} = 50$

16. $x = -7, -3$ neu 1

(lle mae'r graff yn croesir echelin x)

$y = 60 - 30x$

cam 1 : plotio'r llinell

x	-2	0	2
y	$60 - 30(-2)$ 120	$60 - 30(0)$ 60	$60 - 30(2)$ 0

cam 2 : ble mae'r oddau yn croesi $(1.4, 18)$

$x = 1.4$

17 cam 1 : llunio -0.8

cam 2 : chwilio beth yw x

$\sin x = -0.8$

$x = -53.13$

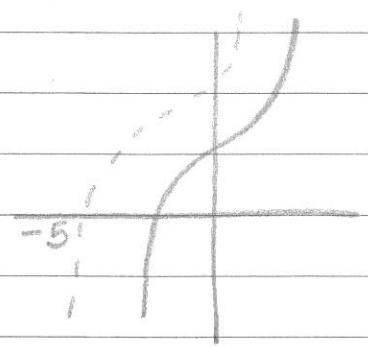
cam 3 : gweld ble mae llinell yn croesi

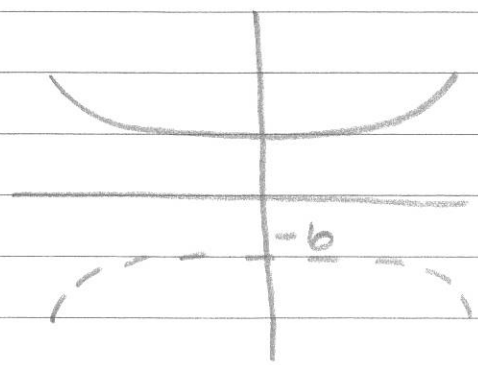
$x = 53.13 + 180 = 233.13°$

a

$x = 360 - 53.13 = 306.87°$

18





19. $\dfrac{8}{3-x} - \dfrac{2}{x-5}$

$= \dfrac{8(x-5) - 2(3-x)}{(3-x)(x-5)}$

$= \dfrac{8x - 40 - 6 + 2x}{(3-x)(x-5)}$

$= \dfrac{10x - 46}{(3-x)(x-5)}$

(b) $\dfrac{10x - 46}{(3-x)(x-5)} = 0$

$10x - 46 = 0$

$10x = 46$

$x = 4.6$