



JAWAPAN *Bank Soalan UASA*

Bab 1

Indeks Indices

Soalan Objektif

1. D 2. D 3. C 4. B 5. C

Soalan Subjektif

1.

2	6 4
2	3 2
2	1 6
2	8
2	4
2	2
1	

Maka / Thus, $64 = 2^6$

2. (i) ${}^4\sqrt{q^3} = q^{\frac{3}{4}}$

(ii) $7^{-1} = \frac{1}{7}$

(iii) $\frac{a^4}{a^{-2}} = a^6$

(iv) $(-4)^2 \times (-4)^2 \times (-4)^2 = (-4)^6$

3. (a) (i) $m = -2, n = 2$
(ii) $p = 3, q = 2$

(b) 3

(c) $p = \frac{3}{2}, q = \frac{3}{4}$

Bab 2

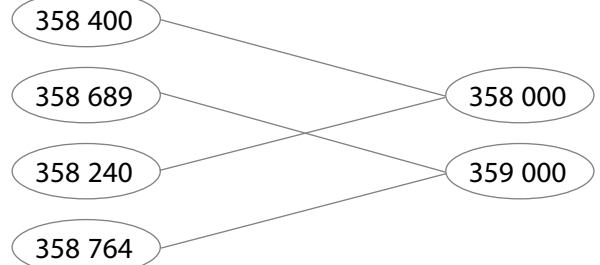
Bentuk Piawai Standard Form

Soalan Objektif

1. C 2. C 3. D 4. B 5. C

Soalan Subjektif

1.



2. $1.05 \times 10^{-5}, 3.5 \times 10^{-5}, 6.0 \times 10^{-5}, 9.0 \times 10^{-3}$

3. (a) $9.823 - 0.78 \div 5$

$= 9.823 - 0.156$

$= 9.667$

$= 9.67$ (3 a.b. / s.f.)

(b) (i) 4.36×10^{11} bait / bytes

(ii) 4×10^{-4}

(c) 1×10^5 (1 a.b. / s.f.)

Bab 3

Matematik Pengguna: Simpanan dan Pelaburan, Kredit dan Hutang *Consumer Mathematics: Savings and Investments, Credit and Debt*

Soalan Objektif

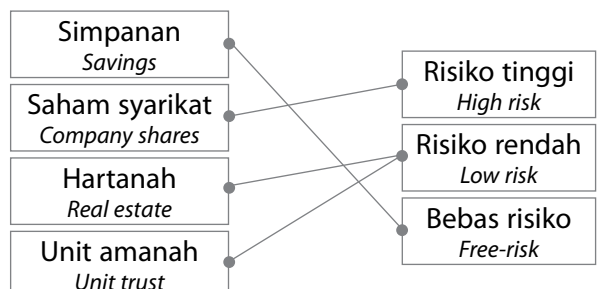
1. B 2. B 3. C 4. B 5. C

Soalan Subjektif

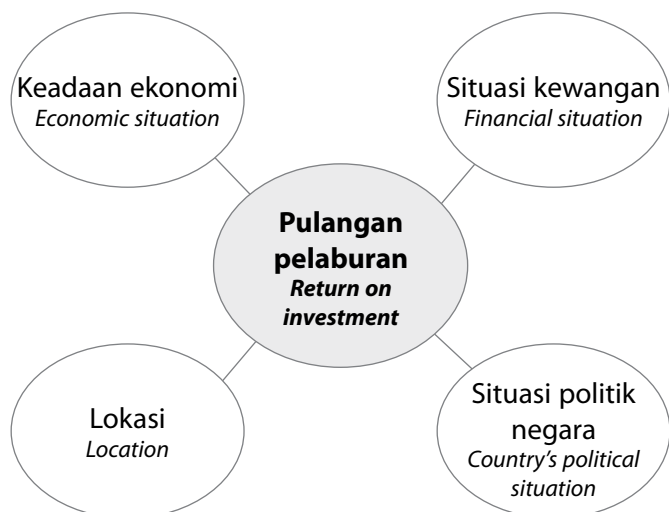
1.

Pulangan <i>Return</i>
Risiko <i>Risk</i>
Prinsipal <i>Principal</i>
Kecairan <i>Liquidity</i>

2.



3. (a)



- (b) (i) 18.75%
(ii) Pandemik COVID-19 telah menyebabkan permintaan terhadap pelitup muka meningkat.
The COVID-19 pandemic has caused the rise in demand for face masks.
- (c) Puan Indra akan memilih Bank Southern kerana pulangan yang diterima, RM29 724.77, adalah lebih tinggi berbanding dengan Bank Eastern, RM29 718.18.
Madam Indra will choose Southern Bank because the return received is higher, RM29 724.77, compared to Eastern Bank, RM29 718.18.

Bab 4

Lukisan Berskala Scale Drawings

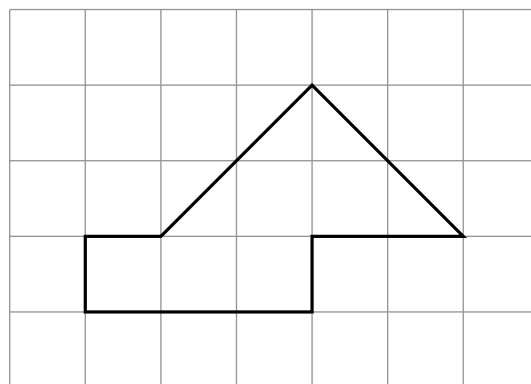
Soalan Objektif

1. B 2. D 3. C 4. A 5. B

Soalan Subjektif

1. (a) (i) ✓
(ii) ✓
(b) (i) 1 : 250 000
(ii) 1 : $\frac{2}{3}$
2. (a) (i) 1 : $\frac{1}{3}$
(ii) 1 : 2
(b) (i) 1 : $\frac{4}{5}$
(ii) 1 : 2
3. (a) 6 cm

(b)



- (c) Jumlah kos jubin A = RM537.60
Total cost of tiles A
Jumlah kos jubin B = RM308
Total cost of tiles B
Puan Ikhwan dapat berjimat sekiranya dia menggunakan jubin jenis B yang berukuran 50 cm × 50 cm.
Puan Ikhwan can save money by using tiles B measuring 50 cm × 50 cm.

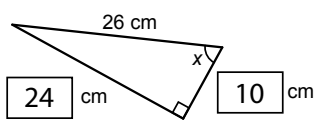
Bab 5

Nisbah Trigonometri Trigonometric Ratios

Soalan Objektif

1. B 2. C 3. A 4. C 5. C

Soalan Subjektif

1. (i) ✗
(ii) ✓
(iii) ✓
(iv) ✓
2. (a) (i) $\frac{\sqrt{3}}{2}$
(ii) $\sqrt{3}$
- (b) 
3. (a) (i) 31.16°
(ii) 42.1°
(b) (i) 2.16 m
(ii) 27.22°
(c) (i) 13 cm
(ii) 67.38°

Bab 6

Sudut dan Tangen bagi Bulatan *Angles and Tangents of Circles*

Soalan Objektif

1. D 2. A 3. C 4. C 5. B

Soalan Subjektif

- X
 - ✓
 - X
 - ✓
- Palsu / False
 - Benar / True
 - Benar / True
 - Benar / True
- 128°
 - 159°
 - 7.64 cm
 - 95°

Bab 7

Pelan dan Dongakan *Plan and Elevations*

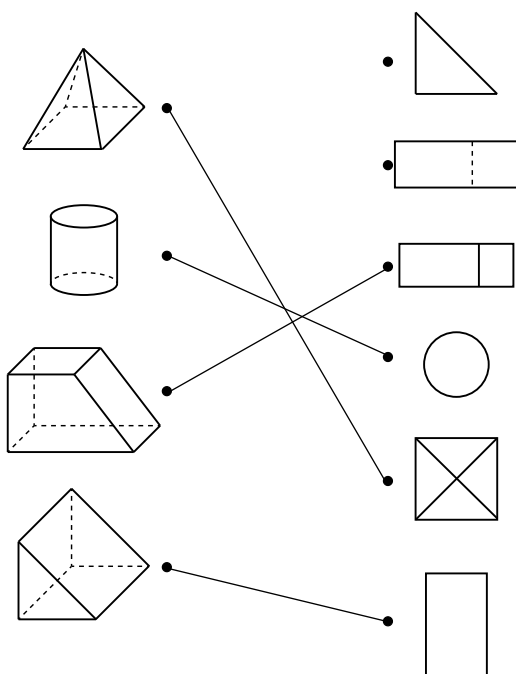
Soalan Objektif

1. A 2. D 3. C 4. C 5. B

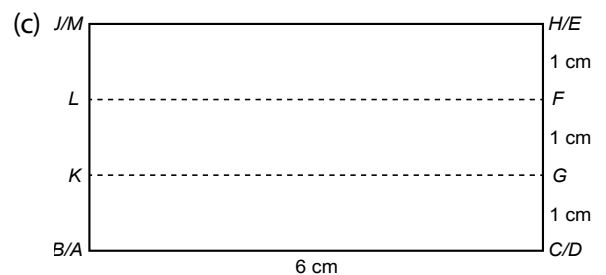
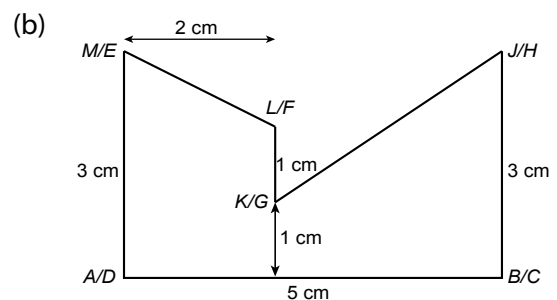
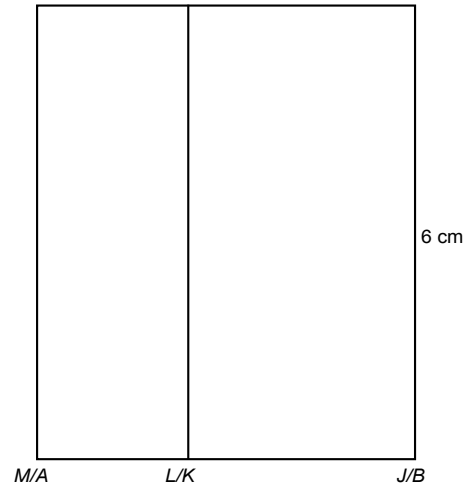
Soalan Subjektif

- ✓
 - X
 - X
 - ✓

2.



3. (a) E/D 2 cm F/G 3 cm H/C



66 cm³

Bab 8

Lokus dalam Dua Dimensi *Loci in Two Dimensions*

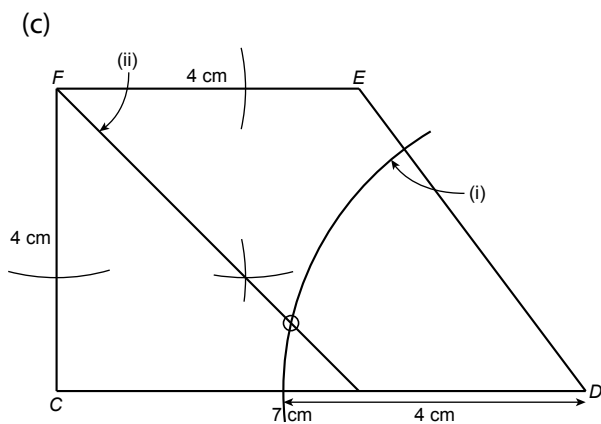
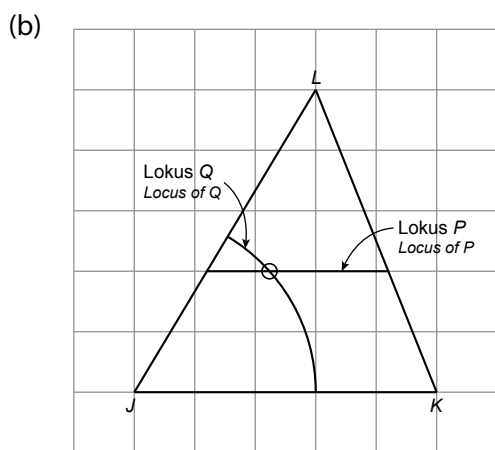
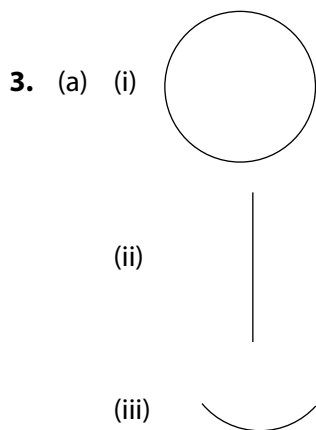
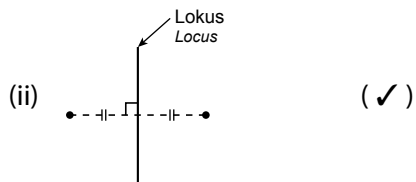
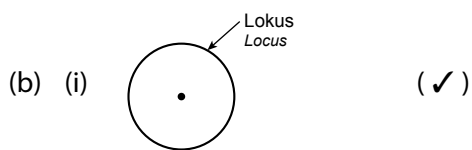
Soalan Objektif

1. B 2. C 3. D 4. C 5. B

Soalan Subjektif

- ✓
 - X
 - ✓
 - X
- Lokus: Satu lengkung
Locus: A curve

- (ii) Lokus: Satu bulatan
Locus: A circle



Bab 9

Garis Lurus Straight Lines

Soalan Objektif

1. C 2. D 3. B 4. D 5. A

Soalan Subjektif

1.

Kecerunan PQ
Gradient of PQ

-2

Kecerunan RS
Gradient of RS

$-\frac{1}{2}$

0

Kecerunan TU
Gradient of TU

4

16

Pintasan-y bagi RS
y-intercept of RS

∞

2.

$$4x + 6y - 12 = 0$$

$$4x + 6y = 12$$

$$\frac{4x}{12} + \frac{6y}{12} = 1$$

$$\frac{x}{3} + \frac{y}{2} = 1$$

3.

(a) (i) $x = 6$

(ii) $y = -8$

(b) (i) $p = 4, q = 2, r = \frac{1}{2}$

(ii) Ya / Yes

(c) (i) $y = -\frac{1}{2}x + 5$

(ii) 10