1. Round off 0.55237 to three significant figures.

Bundarkan 0.55237 kepada tiga angka bererti.

A. 0.552

B. 0.553

C. 0.55

D. 0.56

2. Express 0.0000821 in standard form.

Ungkapkan 0.0000821 dalam bentuk piawai.

A. 8.21×10^{-2}

B. 8.21×10^{-3}

C. 8.21×10^{-4}

D. 8.21×10^{-5}

3. $0.000083 - 1.5 \times 10^{-6} =$

A. 8.15×10^{-6}

B. 8.15×10^{-5}

C. 1.50×10^{-6}

D. 1.50×10^{-5}

YAYASAN PAHANG PAHANG STATE FOUNDATION

4. Diagram 1 shows an empty prism. The area of its uniform cross- section is 56 cm^2. The width of prism is 11 cm.

Rajah 1 menunjukkan sebuah prisma kosong dengan keratan rentas seragamnya ialah 56 cm^2. Lebar prisma adalah 11 cm.

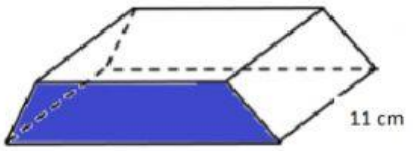

Diagram 1 / Rajah 1

Melia fills up 75 % of the prism with water. Calculate the volume in cm^3, of water in the cylinder.

Melia mengisi prisma itu dengan air sehingga 75% penuh. Hitung isipadu dalam cm^3 air di dalam silinder itu.

A. 4.62×10^2

B. 46.2×10^2

C. 4.20×10^2

D. 42.0×10^2

5. Given $2 \times 8^3 + 3 \times 8^2 + 8^y = 12300_8$, find the value of y.

Diberi $2 \times 8^3 + 3 \times 8^2 + 8^y = 12300_8$, *cari nilai* y.

A. 4

B. 3

C. 2

D. 1

YAYASAN PAHANG
PAHANG STATE FOUNDATION

6. Given that $3Q4_5 = 94_{10}$, Find the digit Q in base 8.

Diberi $3Q4_5 = 94_{10}$, *Cari digit Q dalam asas 8.*

A. 0

B. 1

C. 2

D. 3

7. $1110_2 + 11101_2 - 110_2 =$

A. 101011_2

B. 101000_2

C. 100101_2

D. 110001_2

YAYASAN PAHANG
PAHANG STATE FOUNDATIC

8. Diagram 2, shows an irregular polygon PQRSTU. PTS, QRS and RTU are straight lines.

Rajah 2,menunjukkan sebuah poligon tidak sekata PQRSTU. PTS, QRS dan RTU ialah garis lurus.

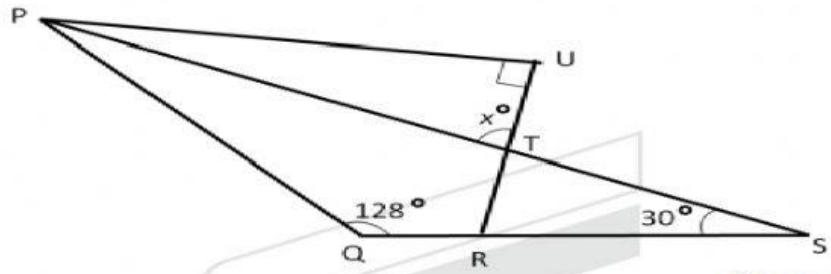

Diagram 2/ Rajah 2

Given that ∠ QPS is twice ∠ SPU, find the value of x.

Diberi bahawa ∠ QPS ialah dua kali ∠ SPU, Cari nilai x.

A. 79

B. 68

C. 64

D. 53

YAYASAN PAHANG
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9. In diagram 3 PQR is a tangent to the circle at point Q. PTS is a straight line.

Dalam *Rajah 3, PQR ialah tangen kepada bulatan di titik Q. PTS ialah garis lurus.*

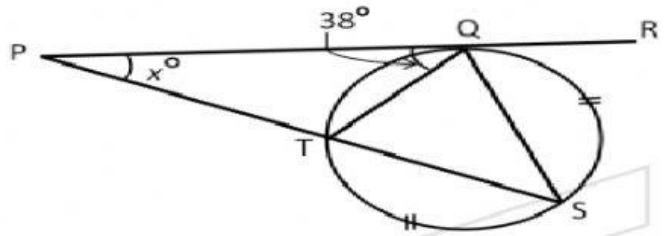

Diagram 3/ Rajah 3

Find the value of x.

Cari nilai x.

A. 33

B. 38

C. 52

D. 55

YAYASAN PAHANG
PAHANG STATE FOUNDATION

10. Diagram 4 shows points plotted on a Cartesian plane.

Rajah 4 menunjukkan beberapa titik pada suatu satah Cartesan.

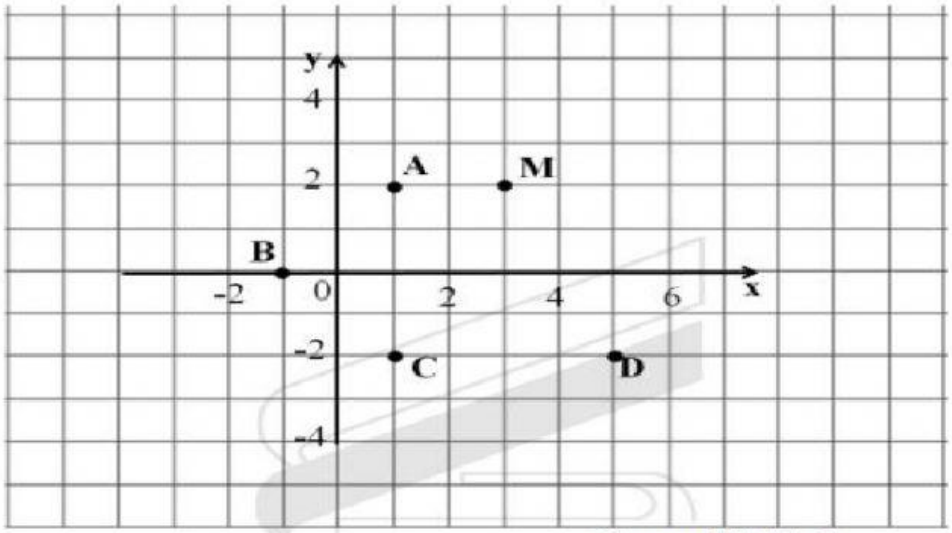

Diagram 4/ Rajah 4

Which of the points A, B, C or D is the image of point M under a clockwise rotation of 90^0 about centre (2,-1) ?

Antara titik-titik A, B, C dan D yang manakah imej bagi bagi titik M di bawah putaran 90^0 ikut arah jam pada pusat (2, -1)?

YAYASAN PAHANG
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