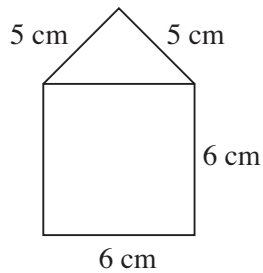


**UNIT 13** *Areas***CSEC Multiple Choice Questions**

For each of these questions, choose the option (A, B, C or D) that is TRUE.

*Diagrams NOT drawn to scale.*

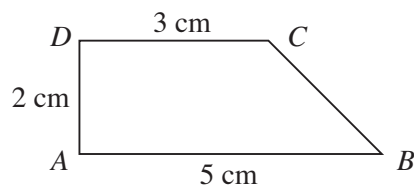
1.



The perimeter of the entire diagram is

- (A) 16 cm
  - (B) 28 cm
  - (C) 33 cm
  - (D) 39 cm
2. Which of the following words BEST describes a quadrilateral with all its sides equal?
- (A) Rhombus
  - (B) Rectangle
  - (C) Parallelogram
  - (D) Trapezium

3.



The area of the trapezium ABCD above is

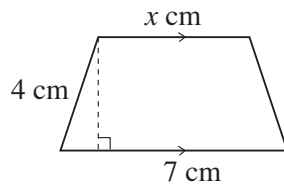
- (A)  $8 \text{ cm}^2$
- (B)  $10 \text{ cm}^2$
- (C)  $16 \text{ cm}^2$
- (D)  $30 \text{ cm}^2$

# UNIT 13 Areas

# CSEC Multiple Choice Questions

Diagrams NOT drawn to scale.

4.

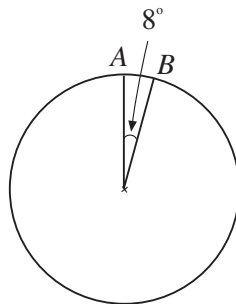


The area of the trapezium above is  $22 \text{ cm}^2$ .

What is the value of  $x$ ?

- (A) 3
- (B)  $3\frac{1}{7}$
- (C) 4
- (D)  $5\frac{1}{2}$

5.



In the circle above, the circumference is 20 cm.

The length of the arc  $AB$ , in centimetres, is

- (A)  $\frac{1}{45} \times 20$
- (B)  $\frac{1}{8} \times 20$
- (C)  $\frac{1}{4} \times 20$
- (D)  $45 \times 20$

**UNIT 13** *Areas***CSEC Multiple Choice Questions**

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6. A circular hole with diameter 6 cm is cut out of a circular piece of cardboard with a diameter of 12 cm.  
The area of the remaining cardboard, in  $\text{cm}^2$ , is
- (A)  $6\pi$   
(B)  $27\pi$   
(C)  $36\pi$   
(D)  $108\pi$
7. What is the surface area of a cuboid of sides 2 cm, 3 cm and 5 cm?
- (A)  $30 \text{ cm}^2$   
(B)  $31 \text{ cm}^2$   
(C)  $60 \text{ cm}^2$   
(D)  $62 \text{ cm}^2$
8. A sphere has diameter 6 cm. The surface area of the sphere is
- (A)  $12\pi \text{ cm}^2$   
(B)  $36\pi \text{ cm}^2$   
(C)  $144\pi \text{ cm}^2$   
(D)  $144\pi^2 \text{ cm}^2$

## UNIT 13 *Areas*

## CSEC Multiple Choice Questions

## *ANSWERS*

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1.    B
2.    A
3.    A
4.    C
5.    A
6.    B
7.    D
8.    B