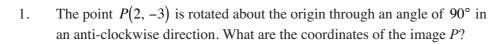
CSEC Multiple Choice Questions

For each of these questions, choose the option that is TRUE. (All questions from past CXC papers.)



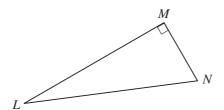
- (A) (3, 2)
- (B) (2,3)
- (C) (-3, 2)
- (D) (3, -2)
- 2. When rotated through 90° about the origin in a clockwise direction, the image of the point (3, 1) is
 - (A) (-1, 3)
 - (B) (3, -1)
 - (C) (1, -3)
 - (D) (-3, 1)
- 3. The point P(2, -3) is translated by a vector $\binom{-3}{4}$. The coordinates of the image of P are

1

- (A) (-1, 1)
- (B) (1, 1)
- (C) (5, 7)
- (D) (6, -6)

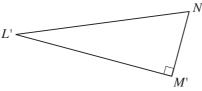
CSEC Multiple Choice Questions

4.

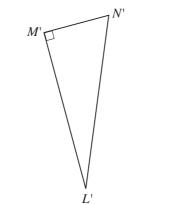


 Δ *LMN*, above, is rotated anti-clockwise about *L* through 90°. Which of the following is its likely image?

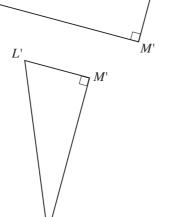




(B)



(C)



(D)

CSEC Multiple Choice Questions

5. The point Q (4, -5) has been translated from P (2, -3).

What is the translation as a vector?

- (A) $\begin{pmatrix} -2 \\ 2 \end{pmatrix}$
- (B) $\binom{2}{2}$
- (C) $\begin{pmatrix} -2 \\ -2 \end{pmatrix}$
- (D) $\begin{pmatrix} 2 \\ -2 \end{pmatrix}$
- 6. The point Q (3, -1) has been translated from P by the vector $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$.

What are the coordinates of the point P?

- (A) (1, -2)
- (B) (1, 2)
- (C) (-1, 2)
- (D) (-1, -4)

CSEC Multiple Choice Questions ANSWERS

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