

Sub-strand 2.2 — Linear Equations



INSTRUCTIONS: SECTION A

SECTION A — Multiple Choice (20 marks)

1. Solve: $x + 7 = 12 \rightarrow x =$

   A. 5 B. −5 C. 19 D. 0

2. Solve: $3x = 12 \rightarrow x =$

   A. 4 B. 3 C. 9 D. 36

3. If $5 + x = 2x - 3$, then $x =$

   A. 8 B. 2 C. −8 D. 1

4. Solve: $(x - 2)/3 = 4 \rightarrow x =$

   A. 14 B. 12 C. 6 D. 8

5. If area of rectangle = 30 and width = $(x + 2)$, length = 5, then equation is:

   A. $5(x + 2) = 30$ B. $x + 2 + 5 = 30$ C. $(x + 2)/5 = 30$ D. $5x + 2 = 30$

6. Solve: $7(2x - 4) = 6(x - 2) \rightarrow x =$

   A. any x B. 2 C. 0 D. 4

7. Solve: $2(x + 3) = 10 \rightarrow x =$

   A. 2 B. 1 C. 4 D. −2

8. Which step is correct to solve $3x + 2 = 11$?

   A. $3x = 9 \rightarrow x = 3$ B. $3x = 13 \rightarrow x = 13/3$

   C. $x = 9 \rightarrow x = 9$ D. $x = 11$

9. If $4x - 5 = 11$, then $x =$

   A. 4 B. 2 C. 3 D. 16

10. Solve: $(3(5 + 2r) - 5)/6 = 4 \rightarrow r =$

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

11. If the area of a rectangle is 24 cm² and length = $(x + 4)$, width = 3, then $x =$

    A. −1 B. 4 C. 2 D. 8

WORKING SPACE



