Multi-Step Equations Practice

Name: _____

Date: _____

Solve each equation. Show all your work.

Directions: Show all your work in the space provided. Write your final answer on the line.

1 Solve for x: 3x + 7 = 22

Show your work:

Answer: _____

2 Solve for y: 2(y - 4) = 10

Show your work:

Answer: _____

3 Solve for x: 5x - 3 = 2x + 12

Show your work:

Answer: _____

4 A rectangle has a perimeter of 36 cm. If the length is 3 times the width, find the dimensions.

Show your work:

Answer: _____

5 Solve for x: (x + 5)/3 = 7

Show your work:

Answer: _____

6 Which value of x makes the equation true? $4(x - 2) + 6 = 3x + 5$

Show your work:

(A) x = 3

(B) x = 5

(C) x = 7

(D) x = 9

7 Solve for n: -2(n + 3) = 4n - 18

Show your work:

Answer: _____

8 The sum of three consecutive integers is 51. What are the integers?

Show your work:

Answer: _____

9 Solve for x: 0.5x + 1.5 = 4

Show your work:

Answer: _____

1. 5

2. 9

3. 5

4. Width: 4.5 cm, Length: 13.5 cm

5. 16

6. C. x = 7

7. 2

8. 16, 17, 18

9. 5