



1) An amount was decreased by 1% to \$279.00. Find the original amount.

Answer: \_\_\_\_\_

2) Write  $10 \times 10^2$  as a normal number.

Answer: \_\_\_\_\_

3) Find the value of 'j' by completing the square of the following equation:  $j^2 + 8j + 15$

Answer: \_\_\_\_\_

4) Find the value of 'j' by completing the square of the following equation:  $2 + 8j + 15$

Answer: \_\_\_\_\_

5) Find the value of 'j' by completing the square of the following equation:  $x^2 + 8x + 15$

Answer: \_\_\_\_\_

6) Factorise  $x^2 + 9x + 20$

Answer: \_\_\_\_\_

7) Simplify 27:36

Answer: \_\_\_\_\_

8) Increase 270 by  $\frac{1}{135}$

Answer: \_\_\_\_\_

9) Increase 64 by  $\frac{3}{32}$

Answer: \_\_\_\_\_

10) Find the value of 'q' by completing the square of the following equation:  
 $x^2 + 6x + 9$

Answer: \_\_\_\_\_

**Total: \_\_\_\_ / 10**

Name: \_\_\_\_\_

November 23, 2022

Sr: 23112022-2916

**MATHS WORKSHEET**  
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**Answers:**

1) \$276.21

2) 1000

3)  $(j + 4)^2 - 1$

4)  $(j + 4)^2 - 1$

5)  $(j + 4)^2 - 1$

6)  $(x + 4)(x + 5)$

7) 3 : 4

8) 272

9) 70

10)  $(q + 3)^2$