FUNMATHS AND PHYSICS

1. Determine the value of x: $x^2 - 8x + 15 = 0$
   a. -3, and -5
   b. -3, and 5
   c. 3, and 5
   d. 3, and -5

2. Determine the value of x: $2x^2 + 3x - 2 = 0$
   a. 2, and -1/2
   b. -2, and ½
   c. -2, and -1/2
   d. 2, and 1/2

3. Determine the value of x: $3x^2 + x - 4 = 0$
   a. 4/3, and -1
   b. 4/3, and ½
   c. -4/3, and -1
   d. -4/3, and 1

4. Determine the value of x: $(x - 2)(3x + 5) = x(x - 2)$
   a. -5/2, and 2
   b. -2/5, and ½
   c. -2/3, and -5
   d. -5/2, and 1

5. Determine the value of x: $3x^2 + 20x - 7 = 0$
   a. -1/3, and 7
   b. 1/3, and -7
   c. 1/3, and 7
   d. -1/3, and 7

6. Determine the value of x: $x^2 - x - 20 = 0$
   a. -5, and 4
   b. -4, and -
   c. 2, and 10
   d. -4, and 5

7. Determine the value of x: $2x^2 + x - 3 = 0$
   a. -3/2, and 1
   b. -2/3, and -1
   c. 1, and 3/2
   d. -3/2, and 2

8. Determine the value of x: $x - 3 = -\frac{2}{x}$
   a. -3/2, and 1
   b. -2, and -1
   c. 1, and 2
   d. -3/2, and 2

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9. Determine the value of x: $2x^2 - 7x + 3 = 0$

   a. 1/2, and 3
   b. -3, and -1
   c. 1/2, and -3
   d. -3/2, and 2

10. Determine the value of x: $x = \frac{10}{x} + 3$

    a. 5, and -2
    b. -5, and -2
    c. 5, and 2
    d. -5/4, and 7

11. Determine the value of x: $2x^2 + 5x - 7 = 0$

    a. 7/2, and -2
    b. -7/2, and -2
    c. 7/2, and 1
    d. -7/2, and 1

12. Determine the value of x: $12x^2 - 7x + 1 = 0$

    a. 1/2, and 3
    b. -1/4, and -1/3
    c. 1/4, and 1/3
    d. -3/2, and 2

13. Determine the value of x: $x^2 + x - 12 = 0$

    a. -3, and -4
    b. 3, and 4
    c. 3, and -4
    d. -3, and 4

14. Determine the value of x: $5x^2 - 8x + 5 = 0$

    a. -3/2, and -2
    b. 3, and 2/3
    c. 2/3, and -3
    d. -3, and 4

15. Product of the roots of a quadratic equation $2x^2 - 4x - 6 = 0$ is…

    a. $\pm\sqrt{9}$
    b. -3, and 3
    c. 3, and -1
    d. $\pm\sqrt{3}$

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