

NAME: \_\_\_\_\_

1. Find the real roots of the equation by graphing.

$$y = 2x^2 - 3x - 2$$

[A]  $x = -\frac{1}{2}, 2$       [B]  $x = -\frac{3}{2}, 0$

[C]  $x = 0, 3$       [D]  $x = -1, 1$

2. Find the real roots of the equation by graphing.

$$y = 4x^2 + 10x + 4$$

[A]  $x = -\frac{3}{4}, -3$       [B]  $x = -\frac{1}{2}, -2$

[C]  $x = -\frac{1}{4}, -1$       [D]  $x = -1, -4$

3. Find the real roots of the equation by graphing.

$$y = 4x^2 - 14x + 6$$

[A]  $x = \frac{1}{2}, 3$       [B]  $x = \frac{3}{4}, 4$

[C]  $x = 0, 1$       [D]  $x = \frac{1}{4}, 2$

4. Find the real roots of the equation by graphing.

$$y = 3x^2 - 5x - 2$$

[A]  $x = -\frac{2}{3}, 1$       [B]  $x = -1, 0$

[C]  $x = -\frac{1}{3}, 2$       [D]  $x = 0, 3$

5. Find the real roots of the equation by graphing.

$$y = 2x^2 - x - 3$$

[A]  $x = 2, 0$       [B]  $x = \frac{3}{2}, -1$

[C]  $x = \frac{1}{2}, -3$       [D]  $x = 1, -2$

6. Find the real roots of the equation by graphing.

$$y = 4x^2 + 15x + 9$$

[A]  $x = -\frac{3}{4}, -3$       [B]  $x = -1, -4$

[C]  $x = -\frac{5}{4}, -5$       [D]  $x = -\frac{1}{2}, -2$

7. Find the real roots of the equation by graphing.

$$y = 4x^2 + 7x - 2$$

[A]  $x = -\frac{1}{4}, -4$       [B]  $x = \frac{1}{2}, -1$

[C]  $x = 0, -3$       [D]  $x = \frac{1}{4}, -2$

8. Find the real roots of the equation by graphing.

$$y = 4x^2 - 9x - 9$$

[A]  $x = -\frac{5}{4}, 1$       [B]  $x = -1, 2$

[C]  $x = -\frac{3}{4}, 3$       [D]  $x = -\frac{1}{2}, 4$

9. Find the real roots of the equation by graphing.

$$y = 3x^2 + 5x - 2$$

[A]  $x = 0, -3$       [B]  $x = \frac{1}{3}, -2$

[C]  $x = -\frac{1}{3}, -4$       [D]  $x = \frac{2}{3}, -1$

10. Find the real roots of the equation by graphing.

$$y = x^2 - x - 2$$

[A]  $x = 1, -2$       [B]  $x = 0, -3$

[C]  $x = 3, 0$       [D]  $x = 2, -1$

- [1] A
- [2] B
- [3] A
- [4] C
- [5] B
- [6] A
- [7] D
- [8] C
- [9] B
- [10] D