

NAME: _____

P.I. A.A.27: Understand and apply the multiplication property of zero to solve quadratic equations with integral coefficients and integral roots

Solve:

1. $x^2 + x - 30 = 0$

[A] -6, 5 [B] -5, 6

[C] -6, -5 [D] 6, 5

2. $x^2 + 2x - 8 = 0$

[A] -4, 2 [B] -2, 4

[C] -4, -2 [D] 4, 2

3. $x^2 + x - 2 = 0$

[A] -2, -1 [B] -1, 2

[C] -2, 1 [D] 2, 1

4. $x^2 + 2x - 3 = 0$

[A] -1, 3 [B] -3, 1

[C] 3, 1 [D] -3, -1

5. $x^2 - x - 20 = 0$

[A] 4, 5 [B] -5, 4

[C] -4, 5 [D] -4, -5

6. $x^2 + 3x - 10 = 0$

[A] -5, 2 [B] -2, 5

[C] -5, -2 [D] 5, 2

7. $x^2 + 7x - 8 = 0$

8. $x^2 - x - 6 = 0$

9. $x^2 + 8x + 15 = 0$

10. $x^2 + 5x - 6 = 0$

11. $x^2 + 3x - 54 = 0$

12. $x^2 - 12x + 32 = 0$

[1] A

[2] A

[3] C

[4] B

[5] C

[6] A

[7] -8, 1

[8] -2, 3

[9] -5, -3

[10] -6, 1

[11] -9, 6

[12] 4, 8