

A.A.28: Understand the difference and connection between roots of a quadratic equation and factors of a quadratic expression.

1. 069909a, P.I. A.A.28

The larger root of the equation $(x + 4)(x - 3) = 0$ is

[A] 3 [B] 4 [C] -4 [D] -3

2. 080622a, P.I. A.A.28

One of the roots of the equation $x^2 + 3x - 18 = 0$ is 3. What is the other root?

[A] 15 [B] -6 [C] -21 [D] 6

3. 010914ia, P.I. A.A.28

What are the roots of the equation

$$x^2 - 10x + 21 = 0?$$

[A] -3 and -7 [B] 3 and 7
[C] -5 and -5 [D] 1 and 21

4. 060902ia, P.I. A.A.28

What are the roots of the equation

$$x^2 - 7x + 6 = 0?$$

[A] -1 and -6 [B] 1 and 7
[C] -1 and 7 [D] 1 and 6

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[1] A

[2] B

[3] B

[4] D