

Lesson 9-5: Factoring Trinomials of the  
Type  $x^2+bx+c$

Part 1: Factoring Trinomials

1. 010004a, P.I. A.A.20

Which expression is a factor of  $x^2 + 2x - 15$

- [A]  $(x - 5)$                       [B]  $(x - 3)$   
[C]  $(x + 15)$                     [D]  $(x + 3)$

2. 060206a, P.I. A.A.20

Which expression is a factor of  $n^2 + 3n - 54$  ?

- [A]  $n - 9$                       [B]  $n + 6$   
[C]  $n^2 + 9$                     [D]  $n + 9$

3. 010318a, P.I. A.A.20

What are the factors of  $x^2 - 10x - 24$  ?

- [A]  $(x - 12)(x + 2)$         [B]  $(x - 4)(x - 6)$   
[C]  $(x - 4)(x + 6)$         [D]  $(x + 12)(x - 2)$

4. 010814a, P.I. A.A.20

What are the factors of  $x^2 - 5x + 6$  ?

- [A]  $(x - 2)$  and  $(x - 3)$   
[B]  $(x + 2)$  and  $(x + 3)$   
[C]  $(x + 6)$  and  $(x - 1)$   
[D]  $(x - 6)$  and  $(x + 1)$

[1] B

[2] D

[3] A

[4] A