

Name \_\_\_\_\_  
Alg1

Absent Assignment 2  
Case II Mix

1)  $20x^2 + 14x - 6$

2)  $20x^2 - 60x - 800$

3)  $20x^2 - 19x + 3$

4)  $24x^2 + 18x + 3$

5)  $24x^2 + 7x - 6$

6)  $24x^2 - 168x - 1,056$

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7)  $18x^2 - 18x - 540$

8)  $18x^2 + 13x - 5$

9)  $18x^2 + 6x - 4$

10)  $36x^2 - 3x - 3$

8)  $36x^2 - 36x - 7$

9)  $36x^2 + 180x - 864$

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10)  $100x^2 - 9$

11)  $100x^2 - 25$

12)  $400x^2 - 225$

13)  $81x^2 - 100$

14)  $81x^2 - 144$

15)  $81x^2 - 9$

## Answer Key:

- |                      |                      |                      |
|----------------------|----------------------|----------------------|
| 1) $2(x+1)(10x-3)$   | 2) $20(x+5)(x-8)$    | 3) $(4x-3)(5x-1)$    |
| 4) $3(2x+1)(4x+1)$   | 5) $(3x+2)(8x-3)$    | 6) $24(x+4)(x-11)$   |
| 7) $18(x+5)(x-6)$    | 8) $(x+1)(18x-5)$    | 9) $2(3x+2)(3x-1)$   |
| 10) $3(3x-1)(4x+1)$  | 11) $(6x-7)(6x+1)$   | 12) $36(x+8)(x-3)$   |
| 13) $(10x+3)(10x-3)$ | 14) $25(2x+1)(2x-1)$ | 15) $25(4x+3)(4x-3)$ |
| 16) $(9x+10)(9x-10)$ | 17) $9(3x+4)(3x-4)$  | 18) $9(3x+1)(3x-1)$  |