

Algebra Worksheet – Chapter 10 Review
Combining Methods of Factoring

Name _____
Block _____

Factor Completely

1. $x^2 + 2x - 15$

$$(x+5)(x-3)$$

2. $12x^2 - 11x + 2$

$$(3x-2)(4x-1)$$

3. $100x^2 - 100x - 600$

$$100(x-3)(x+2)$$

4. $x^2 - 18x + 81$

$$(x-9)(x-9)$$

5. $8x^2 + 44x + 60$

$$4(2x+5)(x+3)$$

6. $9x^2 - 12x + 4$

$$(3x-2)(3x-2)$$

7. $6x^4 - 10x^3 - 6x^2$

$$2x^2(3x^2 - 5x - 3)$$

8. $3x^3 - 6x^2 - 72x$

$$3x(x-6)(x+4)$$

9. $x^2 - 81$

$$(x+9)(x-9)$$

10. $18a^2 - 50$

$$2(3a-5)(3a+5)$$

11. $25a^3 + 20a^2 + 3a$

$$a(5a+3)(5a+1)$$

12. $c^2 - 13c + 40$

$$(c-5)(c-8)$$

13. $5a^2 + 10a + 5$

$$5(a+1)(a+1)$$

14. $6a^2 - a - 15$

$$(3a-5)(2a+3)$$

15. $9x^2 - 4$

$$(3x-2)(3x+2)$$

16. $16x^5 - 44x^4 + 30x^3$

$$2x^3(2x-3)(4x-5)$$