

Polynomials Part II – Practice Test

Name: _____ BLK: _____

1. The first step in factoring is _____.
Then you have to check if there is a _____.

If Possible, Factor the following Polynomials. Be sure to factor completely!

2. $3y - 9$	3. $24z^2 - 6z + 3zy$
4. $2xy - 30x^2 + 8xz$	5. $y^2 - 2y + 1$
6. $9a^3 + 27b^2$	7. $y^2 - y - 20$

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

$$9. 5y^2 + 40y + 60$$

$$10. 5x(a + b) + 3(a + b)$$

$$11. 3y(x - y) - (y - x)$$

$$12. x^2 + x - xy - y$$

$$13. 5t^2 + 7t + 2$$

$$14. 5m^2 - 11m + 2$$

$$15. 6a^2 + 14ab - 12b^2$$

16. $2m^2 - 4mn - 6n^2$	17. $y^2 - 9$
18. $16x^2 + 16x + 4$	19. $81x^2 - 144$

20. Factor $3x^2 + x - 4$ using algebra tiles.



Factors _____

21. One factor of the polynomial $3x^2 + 10x + 3$ is $x + 3$, use algebra tiles to determine the other factor.



Factor _____

