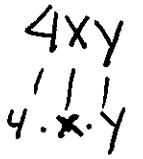
Name_____

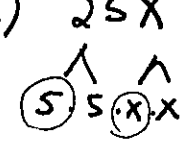
Common Monomial Factors notes cont.

Complete.

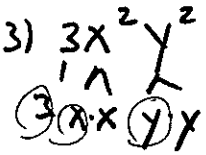
1) $4xy = 4x(\underline{y})$



2) $25x^2 = 5x(\underline{5x})$

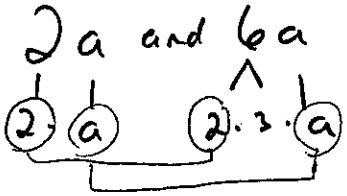


3) $3x^2y^2 = 3xy(\underline{xy})$



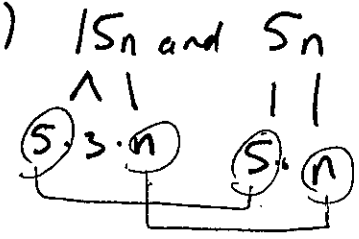
Find the Greatest common factor

4) 2a and 6a



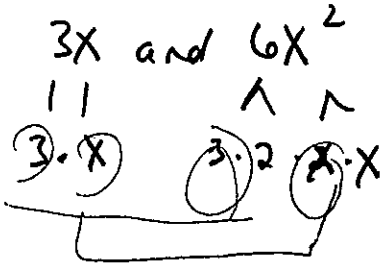
$2a$

5) 15n and 5n



$5n$

6) 3x and $6x^2$

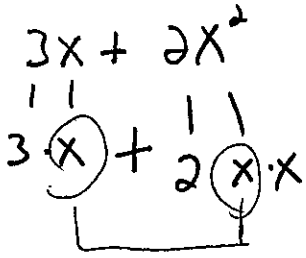


$3x(1+2x)$

$3x+6x^2$

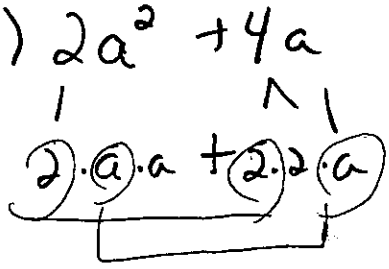
Factor.

7) $3x + 2x^2$



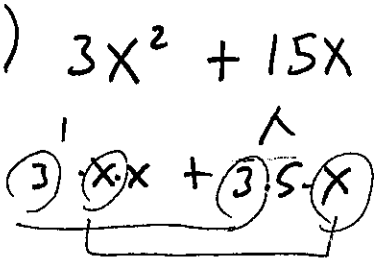
$x(3+2x)$

8) $2a^2 + 4a$



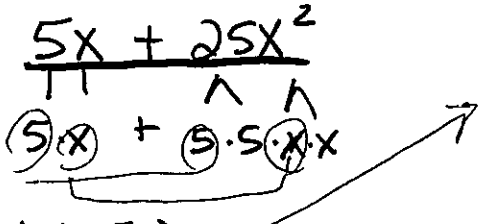
$2a(a+2)$

9) $3x^2 + 15x$



$3x(x+5)$

10) $5x + 25x^2$



$5x(1+5x)$

$5x(1+5x)$

$5x+25x^2$

Name_____Period_____Date_____

Algebra II 3.2 Assignment

Factor.

1. $9x + 3$ 2. $4x - 16$ 3. $2x - 10$

Find the GCF. Re-write with the GCF on the outside of the parenthesis.

4. $5x^2 + 25$ 5. $4y + 24y^2$ 6. $3x + 6xy + 12$

7. $2a^4 + 4a^3$ 8. $3x + 9x^2$ 9. $m^6 + 2m^2$

10. $5x^2 + 30x + 10$ 11. $8x^5 + 4x^4$ 12. $9x^3 + 36x^2$

13. $6v + 9vx^3$ 14. $50n^2 + 25$ 15. $20x^2 + 10x + 30$