

Name _____

Monomials by Polynomials

Find the greatest common monomial from the Polynomials.

1) $6x^3 + 9x^2$	= <u>$3x^2(2x + 3)$</u>
2) $4y^2 - 8y$	= <u>$4y(y - 2)$</u>
3) $10a^3 - 5a^2$	= <u>$5a^2(2a - 1)$</u>
4) $12b^2 - 15b$	= <u>$3b(4b - 5)$</u>
5) $16c^3 + 24c^2$	= <u>$8c^2(2c + 3)$</u>
6) $14m^4 - 21m^3$	= <u>$7m^3(2m - 3)$</u>
7) $18p^2 - 27p$	= <u>$9p(2p - 3)$</u>
8) $8x^2 - 16x$	= <u>$8x(x - 2)$</u>
9) $9y^3 + 12y^2$	= <u>$3y^2(3y + 4)$</u>
10) $20a^4 - 30a^2$	= <u>$10a^2(2a^2 - 3)$</u>
11) $24b^3 + 36b$	= <u>$12b(2b^2 + 3)$</u>
12) $15c^2 - 25c$	= <u>$5c(3c - 5)$</u>
13) $18m^3 + 27m$	= <u>$9m(2m^2 + 3)$</u>
14) $28p^2 - 35p$	= <u>$7p(4p - 5)$</u>
15) $30x^3 + 45x^2$	= <u>$15x^2(2x + 3)$</u>