M10 - 5.1 - Monomial Variable Greatest Common Factor HW

Determine the Greatest Common Factor of the Following

$15, 12$

$6x, 12x$

$14, 22x$

$50, 75x$

$100y, 30y$

$3x, 2$

$2x^2, 4x$

$5a, 25a^2$

$15n, 7n^2$

$16i, 12i^2$

$45x^2, 27x$

$13y^2, 52y$

$2a, 4b$

$5n, 8a$

$15x, 33y$

$21ab, 9a$

$14y, 21xy$

$8xy, 12xy$

$9a^3, 15a^2$

$22x^2y^2, 6y^3$

$a^2b^3, 3ab^4$

$6y^3, 22x^2y^2$

$6a^2, 22a, 8$

$4b^2, 44b, 11$

$9x^2, 21x, 33$

$3a^3, 2a^2, 5a$

$15s^3, 25s^2, 45$

$21ts^2, 14ts, 49t$

$2a^2b^3, 3ab^4, 6a^2b^5$

$15xy^2, 27x^2y^2, 12y^2x^3$

M10 - 5.1 - Remove Greatest Common Factors HW

Factor the following

$2x + 4$ $\qquad$ $12x + 8$ $\qquad$ $3x - 12$ $\qquad$ $-4x + 12$ $\qquad$ $3x - 3$

$3x - 21$ $\qquad$ $6x + 4$ $\qquad$ $-18x - 6$ $\qquad$ $10x - 5$ $\qquad$ $2x - 10$

$4x^2 - 8x$ $\qquad$ $2x^2 + 5x$ $\qquad$ $10x^3 - 5x^2$ $\qquad$ $2x^2 - 2x$

$4x^2 + 8x + 12$ $\qquad$ $4x^2 + 8x + 6$ $\qquad$ $10x^3 - 20x^2 + 10x$

$2a + 2z$ $\qquad$ $6x(x + 5) + 7(x + 5)$ $\qquad$ $x(x - 2) - 6(x - 2)$ $\qquad$ $7x(2x + 5) + 3(2x + 5)$

$x^2 + 3x - 2x - 6$ $\qquad$ $6x^2 + 12x - 3x - 6$

$1 + x - y - xy$

$x^2 + xy + 2x + 2y$ $\qquad$ $2x^3 + 12x^2 - 5x - 30$ $\qquad$ $2x^3 - 6x^2 - 9x + 27$

$-2 - x^2$ $\qquad$ $-8x - 4$

$-3x - 9$