

Name : _____

GCF - Polynomials

L2S5

Find the greatest common factor.

1) $(y - 3z)(y - 9z), 9(y^2 - 9z^2), 3y - 9z$

2) $63v^4w^8(u + v)^9, 84w^9v^3(u^3 + v^3)^8$

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3) $45t^2(s^2t + 2t)^3(s^2 - 2), 21t^4(s^2 + 2)^6$

4) $11v^6(w^2 - v^2), 6v^5(x^3 + y^3)^2, 35x^7(x + y)$

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5) $(m^3 - 27n^3)^2, (m^2 - 2n^2)^3$

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$(q^3)^2, 16p^2q^3r^9$

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7) $54(d^2 + 7d - 18), 2$

$(25)^4, 60(3t + 5)^9$

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9) $4bc^2(a^3 - b^3), 92b^2c^3(a - b)^3, 8bc^2(a^2 - b^2)$

10) $36g^2 - 81h^2, (6g + 9h)^2, (6g + 9h)^4$

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