

Name: \_\_\_\_\_

## GCF - Polynomials

L2S1

Find the greatest common factor.

1)  $40(u^2v^2 - 4u^2)^4, 50(uv - 2u)^2, 60(uv - 2u)$       2)  $39g^2h(g^4 - 4h^2)^6, 52gh^2(g^2 - 2h)^8$

GCF = \_\_\_\_\_

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3)  $14p^2q^3(p^2 + 4p + 4)^2, 9n^3(n + 2)^3$       4)  $r^6r^3 + (r^3 + r^3) r^8 + (rs + s^2)^7, r^5st^2(r^2 - s^2)$

GCF = \_\_\_\_\_

5)  $12x^8(y + z)^8, 21x^9(c^2 + 2cd + 4d^2)^5$

GCF = \_\_\_\_\_

7)  $27a^3 - 64b^3, (9a^2 - (k^2 - 4), (k + 4)^5(k - 2)^2$

GCF = \_\_\_\_\_

GCF = \_\_\_\_\_

9)  $36n(m + n)^5, 18n^2(m^2 - n^2)^7, 54n(m + n)^9$       10)  $25(w^2 + 6w + 9), 5(w^3 + 27)$

GCF = \_\_\_\_\_

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