

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

## GCF - Polynomials

L2S4

Find the greatest common factor.

1)  $24p^2(16z^2 - 25)$ ,  $4p^3(4z + 5)$ ,  $16p(4z + 5)^5$       2)  $77s^4(q^2 - 12qr + 36r^2)^4$ ,  $55s^3(q - 6r)^9$

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

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3)  $40(b^3 - c^3)$ ,  $20c(b^2 + 2bc + c^2)^3$ ,  $60d(b + c)^2$       4)  $56(a^4 - b^4)$ ,  $80(g^4 + 2g^2h^2 + h^4)^2$

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

5)  $18(v - 4w)^8$ ,  $12w^8$

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

7)  $tu^2(2t + 5u)^3$ ,  $u^3t(4$

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

9)  $96k^5(k^2 - 36)$ ,  $48(k - 6)^2$ ,  $32k(k^2 - 6k)^2$

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

10)  $x^2y(y^4 - 16x^2)^7$ ,  $xy^2(y^2 - 4x)^6(y + 4x)$

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

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