

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

## GCF - Polynomials

L2S3

Find the greatest common factor.

1)  $84g^4h^6(g^4 - h^4), 92gh^7(g^2 + h^2)^2, 66g^8h^2$

2)  $81y^4z^5, x(9y^4 + 81z^5)$

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

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

3)  $7(m - 3)(m - 2)^3, 42(m^2 - 7m + 10)$

4)  $72u^3(u^3 + 64), 56u^4(u^2 - 16), 80u(u + 4)$

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

\_\_\_\_\_

5)  $45k^7(16d^2 - 9)^3, 90$

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$(x + x^2), vw^3x^3(8w^3 + x^3)$

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

\_\_\_\_\_

7)  $18a(a^2 + 4a - 21),$

$b - c), 99(b^2 - 2bc + c^2)$

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

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

9)  $q^2r(p^3 - 27q^3), 2pq^3r^2(p^2 - 6pq + 9q^2)^2$

10)  $(s^2 - 25t^2)^9, (s + 5t)^8, s^2 + 10st + 25t^2$

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

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