

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

## GCF & LCM - Polynomials

Sheet 3

1) The GCF and LCM of two polynomials are  $h + 10$  and  $h^3 + 11h^2 + 8h - 20$  respectively. If one of the polynomials is  $h^2 + 9h - 10$ , find the other polynomial.

2) The GCF and LCM of  $g(a)$  and  $h(a)$  are  $a^2 - 3$  and  $a^6 - 2a^4 - 5a^2 + 6$  respectively. Find  $h(a)$ , if  $g(a)$  is  $a^4 - 4a^2 + 3$ .

3) The LCM and GCF of two polynomials are  $3d^4 - 12d^2$ , find the other polynomial.

y. If one of the polynomials

4) The LCM and GCF of two polynomials are  $2x^2 - 10x - 28$ , determine the other polynomial.

pectively. If  $u(x)$  is

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5) The LCM and GCF of two polynomials are  $p^3 + p^2 - 36p - 36$  and  $p - 6$  respectively. Determine the other polynomial, if one of the polynomials is  $p^2 - 5p - 6$ .