

## PreCalculus

### WS: Chapter 2/7 Prerequisite Skills

### ANSWER KEY

1.  $x^2 + 15x + 45 + \frac{131}{x-3}$

2.  $4x^3 + 9x^2 + 5 + \frac{9}{3x-1}$

3.  $2x^4 - 4x^3 - 7x^2 + 5x + 1 + \frac{10}{x+2}$

4.  $x^3 - 9x^2 + 9x + 7$

5. (3, -5, -4)

6. (-2, 3, 7)

7.  $(3x-2)(x-5)$

8.  $(4x+1)(2x-3)$

9.  $(2x+3y)(5x-y)$

10.  $(x^2-5)(x+2)(x-2)$

11.  $6x(2x+3)(2x-3)$

12.  $(3x+4)(7x-1)$