

Divide:

1.  $\frac{9x^2 - 15x + 6}{3}$

2.  $\frac{4y^4 + 6y^3 - 12y^2 + 5y}{-2y^2}$

3.  $x + 3 \overline{) 2x^2 + x - 15}$

4.  $(3x^3 + 2x + 6) \div (x - 2)$

Given:  $f(x) = 2x^2 + x - 4$ ,  $g(x) = x - 7$ ,  $h(x) = 2x + 4$

5. Find  $(f \circ g)(x)$

6. Find  $(h \circ f)(x)$

7. Find  $(g \circ h)(1)$

8. Find  $(f \circ g)(3)$