17p239

1. $f(x) = (2x-1)(x+4)$
   $u = (2x-1) v = (x+4)$
   $u' = 2 v' = 1$
   $f'(x) = 2x + 8 + 2x - 1$
   $f'(x) = 4x + 7$

2. $g(x) = x(5-3x)$
   $u = x v = (5-3x)$
   $u' = 1 v' = -3$
   $f'(x) = 5 - 3x + (-3x)$
   $f'(x) = 5 - 6x$

34p240

1. $h(x) = x^2(3x+2)$
   $u = x^2 v = (3x+2)$
   $u' = 2x v' = 3$
   $f'(x) = 6x^2 + 4x + 3x^2$
   $f'(x) = 9x^2 + 4x$

2. $u(x) = (3x^2 + 2x - 1)(2x-5)$
   $u = (3x^2 + 2x - 1) v = (2x-5)$
   $u' = (6x^2 + 2) v' = 2$
   $u'(x) = 12x^3 - 30x^2 + 4x - 10 + (6x^2 + 10x - 2)$
   $u'(x) = 12x^3 - 24x^2 + 14x - 12$

56p240

x	-2		-1		1		3
$f'(x)$		$+$	0	$-$	0	$+$	
$f(x)$		↗	-2	↘	-6	↗	