Championnat de dérivation : corrigé

$f_1'(x) = 0$	$f_2'(x) = -3$	$f_3'(x) = \frac{7}{2}$	$f_4'(x) = -100$	$f_5'(x) = 2x$
$f_6'(x) = 4 + 10x$	$f_7'(x) = -x + 3$	$f_8'(x) = 30 - 14x$	$f_9'(x) = 4x + 4$	$f_{10}'(x) = -\frac{1}{x^2}$
$f_{11}'(x) = -\frac{1}{x^2} + 6$	$f_{12}'(x) = \frac{3}{x^2} + 18x^2$	$f_{13}'(x) = 16x^7 + 15x^4$	$f_{14}'(x) = x^3 + x$	$f_{15}'(x) = \frac{-2}{(x+3)^2}$
$f_{16}'(x) = \frac{-9}{(x-3)^2}$	$f_{17}'(x) = \frac{9}{(x+3)^2}$	$f_{18}'(x) = \frac{7x^2 + 2x - 21}{(1+7x)^2}$	$f_{19}'(x) = \frac{4x^2 + 4x + 3}{(2x+1)^2}$	$f_{20}'(x) = \frac{2x^2 + 4x}{(x^2 + x + 1)^2}$