Fill in the Blanks — Newton-Raphson Method

Give all values to 4 decimal places.

$f(x)$	x_0	$f'(x)$	$f(x_0)$	$f'(x_0)$	x_1	$f(x_1)$	$f'(x_1)$	x_2
$x^3 - x^2 - 2$	2	$3x^2 - 2x$	2	8	1.75	0.2969	5.6875	
$x^2 + \frac{3}{x}$	-2	$2x - \frac{3}{x^2}$	2.5	-4.75				
$x - \frac{3}{\sqrt{x}}$	1							
$3x^2 + \ln x$	1.5							
$x + 5 + \sin x$	-6							
$x^2 \sin x - 1$	1.2							
$\frac{5\cos x}{x}$	7.7							
$2 + \sec^3 x$	2.4							