Q 1. Find $f'(x)$ if $f(x) = \sqrt{5x} + 9$.

Q 2. Given $f(x) = \frac{x^2 + 7}{3x - 1}$ find $f'(2)$.

Q 3. A position of a particle at time $t$ is given by $s(t) = \frac{1}{1+t}$ m/s. Find the velocity and the speed after 2 seconds.

Q 4. If $y = \tan(sin x + cos x)$ find $y'$.