

1.) Calculate $\frac{d}{dx} \frac{(2x-3)^6}{\sqrt{3-x^2}}$

2.) Calculate $\frac{d}{dx} \left[(2x-3)^{0.3} x^7 + \frac{1}{x} \right]$.

3.) Calculate $\frac{d}{dt} \frac{2t^2}{\sqrt{2t^2+5t-1}}$