$\qquad$

1) Find the derivative of $f(x)=\left(x^{3}+5 x^{2}+3 x+2\right)^{6}$
2) Find $\frac{d}{d x}\left(\sin \left(7^{3 x^{2}}\right)\right)$
3) Suppose the position of a rolling ball is given by $s(t)=3 t^{2}+5 t-6$ feet, where $t$ is measured in seconds. Find the velocity of the ball after 2 seconds.
