Once you are done, scan or take a picture of this document and submit it via email to fernan87@purdue.edu

Name:

1. Use implicit differentiation the following expressions.
(a) $[\mathbf{1} \mathbf{p t}] \frac{d}{d x}(x y)$

$$
\frac{d}{d x}(x y)=
$$

(b) $[\mathbf{1} \mathbf{p t}] \frac{d}{d x}\left(\frac{x}{y}\right)$

$$
\frac{d}{d x}\left(\frac{x}{y}\right)=
$$

