**9B Differentiating Exponentials**

ex

ln(x)

ax

1. Find $\frac{dy}{dx}$ given that:

$$y=e^{3x}+2^{3x}$$

1. Find $\frac{dy}{dx}$ given that:

$$y=ln\left(x^{3}\right)+ln7x$$

1. Find $\frac{dy}{dx}$ given that:

$$y=\frac{2-3e^{7x}}{4e^{3x}}$$