$$(4a^2b^6)' = 0,$$
 $\left(\frac{7a}{c^4}\right)' = 0,$ $\frac{d}{dt}5a^2e^t = 5a^2e^t$ etc.

Compute the following derivatives:

$$\begin{array}{ccc}
(1) & y = 7e^x \\
1 & p +
\end{array}$$

$$y' = 7e^{x}$$

$$(2) C = 9(4)^q$$

$$\frac{dC}{dq} = \ln(4)9 \quad (4)^8$$

$$(3) P(t) = 6 \ln(t)$$

$$P'(t) =$$
 $\frac{6}{\cancel{\textbf{z}}}$

(4)
$$w = \frac{6ab^2}{z^3} + ce^z$$

$$= \frac{6ab^2}{z^3} + ce^z$$

$$\frac{dw}{dz} = \frac{-18ab^2 \bar{z}^4}{4ce^2} + ce^2$$

$$(5) y = a^3 \ln(x)$$

$$\rho + \frac{1}{2}$$

$$\frac{dy}{dx} = \frac{2^3}{x}$$