$$\sum x | \log_2(256) = \log_2(2^8) = 8$$
 $\sum x | \log_2(8) = \log_2(2^3) = \log_2(2^{\frac{1}{2}})^6$
 $\sum x | \log_2(8) = \log_2(8^3) = \log_2(8^$

$$\frac{\xi_{x}}{4-8\cdot2} + 12 = 0$$

$$50 = 6^{\circ} x$$

$$2^{x} - 8\cdot2 + 12 = 0$$

$$2^{x} - 8\cdot2 + 12 = 0$$

$$(x-6)(x-2) = 0$$

$$(x-6)(x-2) = 0$$

$$(x-6)(x-2) = 0$$

$$(x-6)^{2} = 2^{x} + 12 = 0$$

$$(x-6)^{2} = 2^{x} + 12 = 0$$

$$(x-6)^{2} = 0$$

$$(x-6)^{$$

Applications

halflile. 7 MM ym.

Act
$$\omega/100 g$$
.

 $A(t) = 100 e^{kt}$
 $A(t) = 100 e^{-0.04902t}$
 $A(t) = 100 e^{-0.04902t}$
 $A(t) = 100 e^{-0.04902t}$
 $A(t) = 100 e^{-0.04902}$

Nexton's Law of Cooling

$$P(t) = Pie$$
 400° all exponentials

 $P(t) = Room Tomp 70$
 $P(t) - T_R = Ae$
 $P(t$