Question:

Find the general solution for the differential equation

$y' - 6x^2 = -6x^2$

Solution:

$y' - 6x^2 = -6x^2$

$y' = 6x^2 - 6x^2$

$y' = 0$

The general solution of differential equation is $y(x) = c_1$,

where c_1 is an arbitrary real constant.