Anti-Derivative Pratice
(can't have enough practice)

If you can find the definite/indefinite integrals of the following functions you will be doing great!!!

Indefinite:

(1) $\int 2x^3 - 3x + 5dx$
(2) $\int 3x^5 - 4x^7 + 6dx$
(3) $\int (2x+5)e^{x^2+5x}dx$
(4) $\int \frac{x^2}{x^3+5}dx$
(5) $\int \frac{1}{(x+2)^4}dx$
(6) $\int e^{3x}dx$
(7) $\int \left(3x^4 + \frac{3}{x} + \frac{4x^2}{(x^3-1)^2} + \frac{3x}{e^{x^2}}\right)dx$
(8) $\int \frac{1}{x}dx$
(9) $\int \frac{25}{x^2}$
(10) $\int \left(\frac{3}{x^2} + \frac{2}{\sqrt{x}} + \sqrt{x+3}\right)dx$

Definite:

(11) $\int_0^1 2x^3 - 3x + 5dx$
(12) $\int_{-1}^1 (2x+2)e^{x^2+2x+7}dx$
(13) $\int_2^3 \frac{3}{x^2}dx$
(14) $\int_1^4 \frac{5}{x}dx$
(15) $\int_4^7 \left(x^3 + \frac{2x}{x^2+3} + \frac{1}{x}\right)dx$
(16) $\int_{-5}^{10} (x^3 - 7x + 31)dx$
(17) $\int_9^{15} \frac{7}{x}$
(18) $\int_0^1 e^x dx$
(19) $\int_4^6 xe^{x^2-5}dx$
(20) $\int_0^1 \frac{x^2}{(x^3+3)^2}dx$