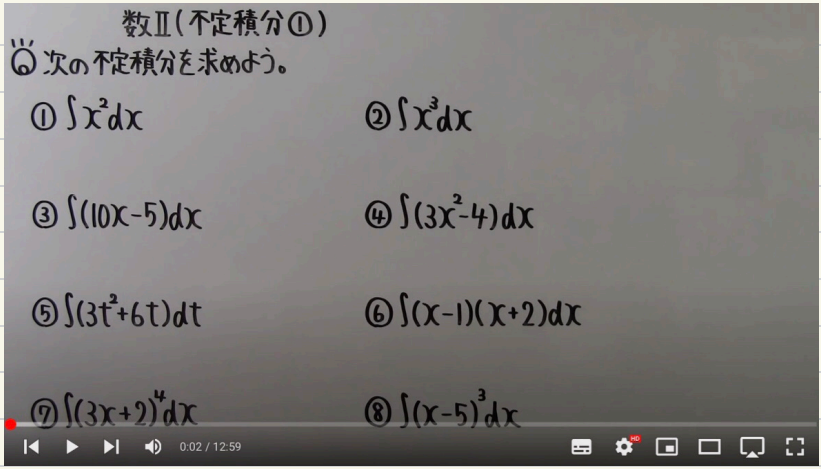
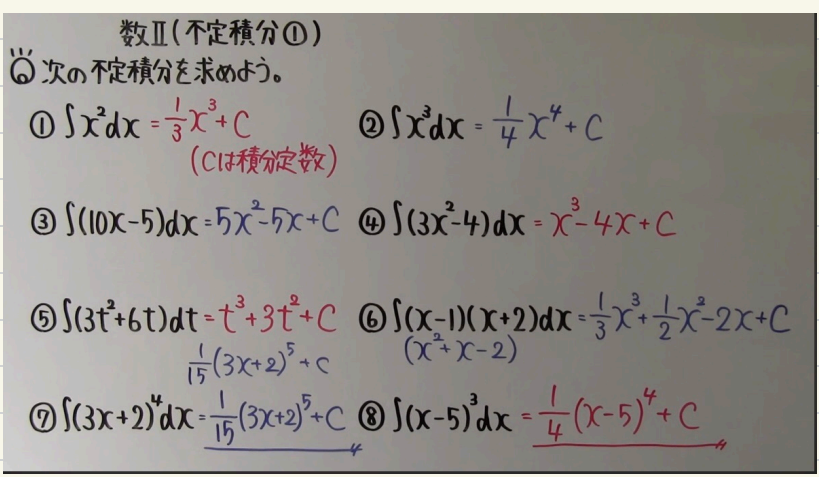

数Ⅱ(不定積分①)
次の不定積分を求めよう。
① $\int x^2 dx$
② $\int x^3 dx$
③ $\int (10x-5) dx$
④ $\int (3x^2-4) dx$
⑤ $\int (3t^2+6t) dt$
⑥ $\int (x-1)(x+2) dx$
⑦ $\int (3x+2)^4 dx$
⑧ $\int (x-5)^3 dx$
0:02 / 12:59


数Ⅱ(不定積分①)
次の不定積分を求めよう。
① $\int x^2 dx = \frac{1}{3}x^3 + C$ (Cは積分定数)
② $\int x^3 dx = \frac{1}{4}x^4 + C$
③ $\int (10x-5) dx = 5x^2 - 5x + C$
④ $\int (3x^2-4) dx = x^3 - 4x + C$
⑤ $\int (3t^2+6t) dt = t^3 + 3t^2 + C$
⑥ $\int (x-1)(x+2) dx = \frac{1}{3}x^3 + \frac{1}{2}x^2 - 2x + C$
(x^2+x-2)
$\frac{1}{15}(3x+2)^5 + C$
⑦ $\int (3x+2)^4 dx = \frac{1}{15}(3x+2)^5 + C$
⑧ $\int (x-5)^3 dx = \frac{1}{4}(x-5)^4 + C$