

## Integration by Substitution Card Sort

$\int_{-2}^2 (2x - 3)^3 dx$	$\int_0^1 x^2(x^3 + 2)^3 dx$	$\int_0^2 x\sqrt{x^2 + 1} dx$
$\int \frac{x^2}{(1 - x^3)^3}$	$\int_0^{\frac{\pi}{3}} e^{\sin(x)} \cos(x) dx$	$\int_0^{\frac{\pi}{3}} e^{\cos(x)} \sin(x) dx$
$\int_1^2 x(3x + 2)\sqrt{3x + 2} dx$	$\int_0^{\frac{\pi}{2}} \sin(2x)\sqrt{1 - \sin(x)} dx$	$\int_0^3 \frac{1}{9 + x^2} dx$

## Integration by Substitution Card Sort

Let $u = 2x - 3$	Let $u = x^3 + 2$	Let $u = x^2 + 1$
Let $u = 1 - x^3$	Let $u = \sin(x)$	Let $u = \cos(x)$
Let $u = 3x + 2$	Let $u = 1 - \sin(x)$	Let $u = 3 \tan(u)$

### Integration by Substitution Card Sort

$-300$	$\frac{65}{12}$	$\frac{1}{3} (5\sqrt{5} - 1)$
$\frac{1}{6(x^3 - 1)^2} + C$	$e^{\frac{\sqrt{3}}{2}} - 1$	$e - \sqrt{e}$
$\frac{2}{315} (3328\sqrt{2} - 75\sqrt{5})$	$\frac{8}{15}$	$\frac{\pi}{12}$