$y = 2\sqrt{x}$	$y = \dfrac{1}{2x^3}$
$y = \dfrac{2}{x^2}$	$y = \sqrt{x}$
$y = \dfrac{2}{\sqrt{x}}$	$y = \dfrac{1}{2\sqrt{x}}$
$y = \dfrac{1}{2x^2}$	$y = \dfrac{1}{\sqrt{x}}$
$y = \dfrac{2}{x^3}$	$y = \dfrac{1}{x^2}$

1

$y = 2x^{-2}$	$y = 2x^{-\frac{1}{2}}$
$y = \frac{1}{2}x^{-2}$	$y = 2x^{\frac{1}{2}}$
$y = x^{\frac{1}{2}}$	$y = 2x^{-3}$
$y = x^{-2}$	$y = \frac{1}{2}x^{-\frac{1}{2}}$
$y = x^{-\frac{1}{2}}$	$y = \frac{1}{2}x^{-3}$

$\dfrac{dy}{dx} = -4x^{-3}$	$\dfrac{dy}{dx} = -\dfrac{1}{4}x^{-\frac{3}{2}}$
$\dfrac{dy}{dx} = -6x^{-4}$	$\dfrac{dy}{dx} = x^{-\frac{1}{2}}$
$\dfrac{dy}{dx} = -\dfrac{1}{2}x^{-\frac{3}{2}}$	$\dfrac{dy}{dx} = -x^{-3}$
$\dfrac{dy}{dx} = -x^{-\frac{3}{2}}$	$\dfrac{dy}{dx} = -\dfrac{3}{2}x^{-4}$
$\dfrac{dy}{dx} = \dfrac{1}{2}x^{-\frac{1}{2}}$	$\dfrac{dy}{dx} = -2x^{-3}$

$\int y\,dx = \dfrac{4}{3}x^{\frac{3}{2}} + c$	$\int y\,dx = -\dfrac{1}{2}x^{-1} + c$
$\int y\,dx = -x^{-2} + c$	$\int y\,dx = -\dfrac{1}{4}x^{-2} + c$
$\int y\,dx = \dfrac{2}{3}x^{\frac{3}{2}} + c$	$\int y\,dx = -2x^{-1} + c$
$\int y\,dx = 2x^{\frac{1}{2}} + c$	$\int y\,dx = 4x^{\frac{1}{2}} + c$
$\int y\,dx = -x^{-1} + c$	$\int y\,dx = x^{\frac{1}{2}} + c$

$$\frac{dy}{dx} = \frac{1}{\sqrt{x}}$$	$$\frac{dy}{dx} = \frac{-6}{x^4}$$
$$\frac{dy}{dx} = \frac{-3}{2x^4}$$	$$\frac{dy}{dx} = -\frac{2}{x^3}$$
$$\frac{dy}{dx} = -\frac{1}{4\sqrt{x^3}}$$	$$\frac{dy}{dx} = -\frac{4}{x^3}$$
$$\frac{dy}{dx} = -\frac{1}{\sqrt{x^3}}$$	$$\frac{dy}{dx} = -\frac{1}{x^3}$$
$$\frac{dy}{dx} = -\frac{1}{2\sqrt{x^3}}$$	$$\frac{dy}{dx} = \frac{1}{2\sqrt{x}}$$

$\int y \, dx = -\dfrac{2}{x} + c$	$\int y \, dx = -\dfrac{1}{x} + c$
$\int y \, dx = -\dfrac{1}{2x} + c$	$\int y \, dx = \sqrt{x} + c$
$\int y \, dx = \dfrac{2}{3}\sqrt{x^3} + c$	$\int y \, dx = \dfrac{4}{3}\sqrt{x^3} + c$
$\int y \, dx = 2\sqrt{x} + c$	$\int y \, dx = -\dfrac{1}{4x^2} + c$
$\int y \, dx = -\dfrac{1}{x^2} + c$	$\int y \, dx = 4\sqrt{x} + c$