

# Practice

$$y = 5\sqrt[3]{x + 6}$$

$$y = (x - 9)^{1/2} - 4$$

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$$y = 5\sqrt[3]{x+6}$$

$$\frac{x}{5} = \frac{5\sqrt[3]{y+6}}{5}$$

$$\left(\frac{x}{5}\right)^3 = \left(\sqrt[3]{y+6}\right)^3$$

$$\frac{x^3}{125} = y + 6$$

$$y = \frac{x^3}{125} - 6$$

$$y = (x-9)^{\frac{1}{2}} - 4$$

$$x = (y-9)^{\frac{1}{2}} - 4$$

$$(x+4)^2 = \left((y-9)^{\frac{1}{2}}\right)^2$$

$$(x+4)^2 = y - 9$$

$$y = (x+4)^2 + 9$$