A

$$(81a^8b^4)^{2.5}$$

$$\frac{a^6}{9}$$

Solve Using Desmos:

$$125^{x-1} = \left(\sqrt{5}\right)^5$$

$$\chi^{\frac{1}{2}}$$

Solve by rewriting as a radical:

$$(-6 + 7n)^{\frac{1}{2}} = n$$

$$\left\{\frac{11}{6}\right\}$$

D

$$\frac{2}{\alpha^3} \cdot \frac{3}{\alpha^4}$$

$$\frac{x^3}{\frac{1}{2}}$$

Solve Using Desmos:

$$81^{-2x+3} = \frac{1}{9}$$

$$\frac{\sqrt{64x^3}}{(8x)^{\frac{1}{3}}}$$

 $\{6, 1\}$

G

$$\sqrt[3]{64a^3b^6}$$

$$\left\{\frac{7}{4}\right\}$$

H

$$\frac{\sqrt{x}}{\sqrt{x^6}}$$

$$2x^{\frac{2}{9}}$$

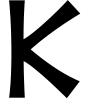
Solve by rewriting as a radical:

$$(10-r)^{\frac{1}{2}} = (2r-8)^{\frac{1}{2}}$$

 $4x^7$

Solve using Desmos:

$$8^{\frac{x}{3}} = (\sqrt[3]{64})^2$$



$$\frac{(4x^4)^{2.5}}{(\sqrt{4x^2})^3}$$

 $4ab^2$



$$\left(\frac{a^9}{27}\right)^{\frac{2}{3}}$$

$$4x^{\frac{7}{6}}$$

Solve by rewriting as a radical:

M

$$7 = (r + 1)^{\frac{1}{2}} - 1$$

 $59049 \ a^{20} \ b^{10}$

N

$$\left(\frac{y^{\frac{1}{3}}x^{-2}}{x^{-4}y^{\frac{2}{3}}}\right)^{\frac{5}{2}}$$

$$x^{\frac{1}{4}}y^{\frac{3}{10}}$$



$$\left(8x^{\frac{1}{3}}\right)^{\frac{1}{3}}$$

$$a^{\frac{17}{12}}$$

P

$$\left(x^{\frac{1}{3}}y^{\frac{2}{5}}\right)^{\frac{3}{4}}$$