

Quiz Review

Monday, September 23, 2019 7:46 AM

Simplify the following expressions using only positive exponents.

$$z^5 \cdot z^8$$

$$\frac{t^3}{t^9}$$

$$(-5t^3x^2y^8)^0$$

Simplify the following expressions using only positive exponents.

$$\frac{2x^4y^{-4}z^{-3}}{3x^2y^{-3}z^4}$$

$$\frac{2x^2y^4 \cdot 4x^2y^4 \cdot 3x}{3x^{-3}y^2}$$

Write each radical using rational exponents.

$$\sqrt{\quad}$$

$$\sqrt[4]{\quad}$$

$$\sqrt[3]{\quad}$$

$\sqrt{7}$

$\sqrt[4]{2}$

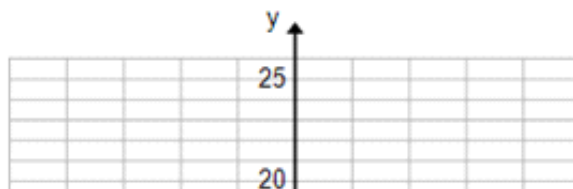
$\sqrt[3]{24^5}$

Solve for x in the following equations.

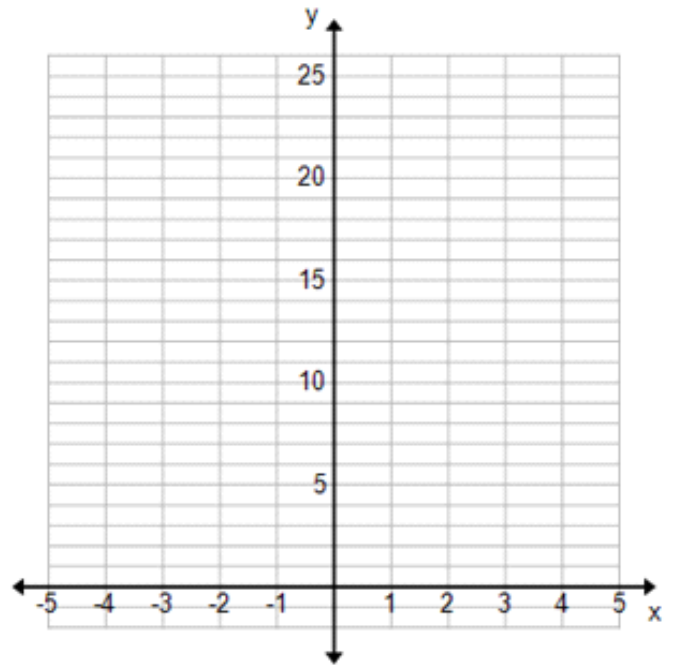
$$5^{9x-4} = 5^{3x+2}$$

$$4^{5x+6} = 64$$

Graph the function $f(x)4^x$ in the graph below. Label the asymptote and at least 3 points.



and at least 3 points.



Which of the following is not exponential.

x	0	1	2	3	4
y	3	7.5	18.75	46.875	117.1875

x	0	1	2	3	4
y	32	16	8	4	2

x	0	1	2	3	4
y	2	3	4	5	6

x	0	1	2	3	4
y	4	6	9	13.5	20.25