

Is this a function?  

$$y = 3\alpha^{2} + 2 \quad y \neq s$$

$$y = \pm \sqrt{x} \quad No$$

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$$y = \sqrt{x} - 5$$

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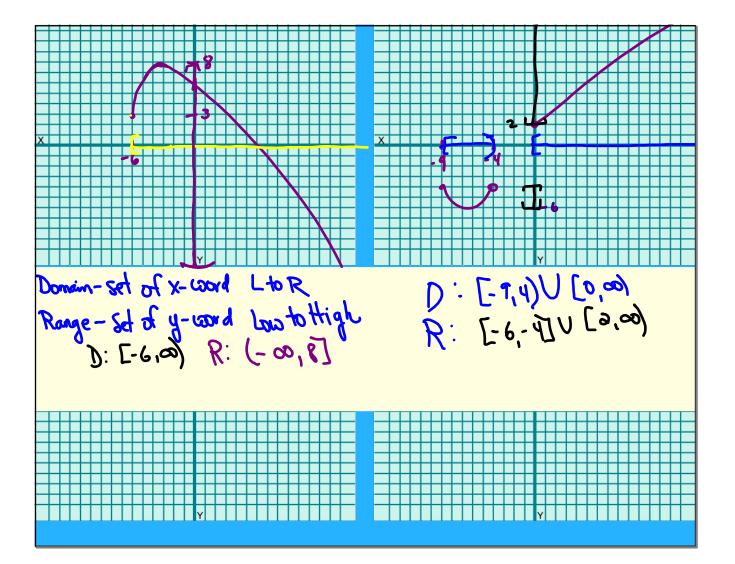
$$y = \sqrt{x} - 5$$

$$y = 1 - 5$$

$$y$$

$$\begin{array}{l}
Function Notation \\
f(x) = 3x^{2} - 7x + 1 \\
f(-2) = 3(-2)^{2} - 7(-2) + 1 \\
= 12 + i4 + 1 \\
= 27 \\
(-2, 27)
\end{array}$$

$$\begin{array}{l}
f(x) = \begin{cases} x^{2} - 4 & x < 1 \\
3 & 1 \le x \le 5 \\
\frac{2}{x+1} & x > 5 \le 1 \\
\frac{2}{x+1} & x > 5 \le 1 \\
\frac{2}{x+1} & x > 5 \le 1 \\
f(-2) = 3
\end{array}$$



JypestFunc.	Dumain Restrictions	Method to Solve
Polynomial Y= 2X <sup>5</sup> + 3x <sup>3</sup> -2x+ 5	None	TR or (- 00, 00)
Rational $y = \frac{x+9}{x^2-25}$	Denom + O	5 et de nom = 0, factor, al solve $\chi^{2} - 25 = 0$ ( $\chi_{15}\chi_{5}$ ) $\chi_{=} - 5, 5$ $\chi_{=} - 5, 5$
$\begin{array}{c} 0 \text{ ad } Root \\ y = \sqrt[3]{x-7}  \sqrt[3]{-8} \end{array}$	None	¶ or (-∞,∞)
g= VX-1 Even Root Y=VX+8	Must contain t Values	Test Points to find + Values
J=1×+8		- <del>+ +</del> - <del>8</del> [- 8, ∞)

