michael chillemi = 1 2 (x 5/2) 2 (y 5) 2 $\left(\frac{7x^{5/2}y^5}{x^{1/4}y^{-3/2}}\right)^{-1}$ -84 LOSX 48 numbers All Real $(-\omega,\infty)$ (-00, -8/U (-8,8)U(8,0)

$$\frac{3}{12} = \frac{\sin(A+B) = \sin A \cos B + \cos A \cos B}{\sin(A+B) = \sin(A)}$$

$$= \frac{\sin(A+B) = \sin(A)}{\sin(A+B)} = \frac{\sin(A+B)}{\sin(A+B)} = \frac{\sin(A+B)}{\sin(A+B)}$$

7.
$$\lim_{x \to 3} f(x) = 1$$
 $\lim_{x \to 3} [1 + 2(-s)]$

$$\lim_{x \to 3} f(x) = 0$$

$$\lim$$

9.
$$\lim_{x\to 71} \frac{x^2 - 4x + 3}{x - 1} = (x - 3) (x + 1)$$

$$1 - 4 + 3 = 0 \text{ indeterminate}$$

$$(1)^2 - 4(1) + 3 = 0 \text{ indeterminate}$$

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$$\frac{(1+h)^{2}-1}{h} \frac{(1+h)^{2}-1}{h} \frac{(1+h)^{2}-1}{0} \frac{1^{2}-1}{0} \frac{$$

$$\frac{1}{x^{-3}-5} = \frac{x+5}{x^3+125} = \frac{-5+5}{-5+125} = \frac{0}{0}$$

$$\frac{x+5}{x^{-3}-5} = \frac{x+5}{x^3+5^2} = \frac{x+5}{x^{-3}-5} = \frac{x+5}{(x+5)(x^2-5x+5^2)}$$

$$\lim_{x\to -5} \frac{1}{(x^2-5x+25)} = \lim_{x\to -5} \frac{1}{(x+5)^2-5(-5)+25}$$

$$\frac{12 \text{ lim}}{h \to 0} \sqrt{9 + h} - 3$$

$$\frac{3 - 3}{0} = 0$$

$$\frac{3 - 3}{0} = 0$$

$$\frac{1 \text{ lim}}{h \to 0} \sqrt{9 + h} + 3$$

$$\frac{1 \text{ lim}}{h \to 0} (\sqrt{9 + h})^{\frac{1}{2}} - 3^{\frac{1}{2}} = 0$$

$$\frac{1 \text{ lim}}{h \to 0} (\sqrt{9 + h})^{\frac{1}{2}} - \frac{7}{4(1 + 1)}$$

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$$\frac{1 \text{ lim}} (\sqrt{9 + h})^{\frac{1}{2}} - \frac{7}{4(1 + 1)}$$

$$\frac{1 \text{ lim}}$$

$$\frac{1}{1000} = 6$$

16.
$$\lim_{X\to 7-7} \frac{U_X + 28}{|X+7|} = \frac{U_1(-7) + 28}{|-7| + 7/|}$$

$$= \frac{-28 + 28}{|-14|} \frac{0}{|-14|} = -\frac{1}{|-7| + 7/|}$$

$$= \frac{-14}{|-14|} \frac{U_1(x+7)}{|-14|} = -\frac{1}{|-14|}$$

$$\lim_{X\to 7} \frac{U_1(x+7)}{|-14|} = \frac{U_1(x+7)}{|-14|} = -\frac{1}{|-14|}$$

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