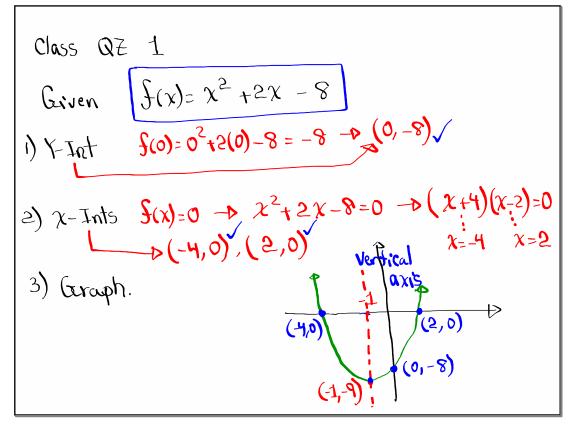
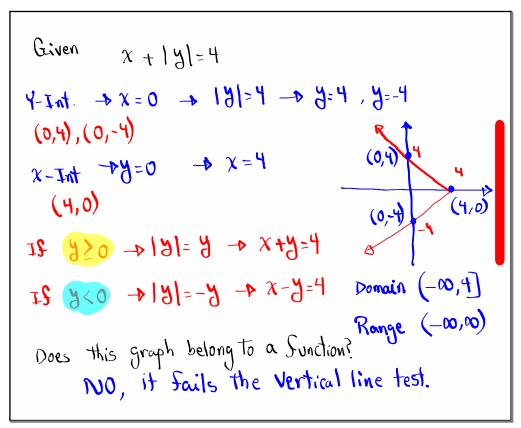


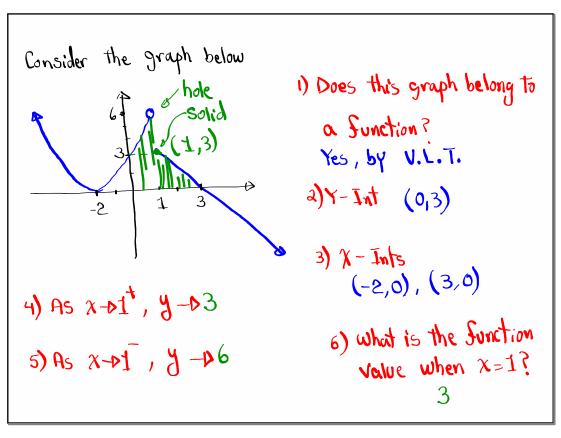
Feb 19-8:47 AM

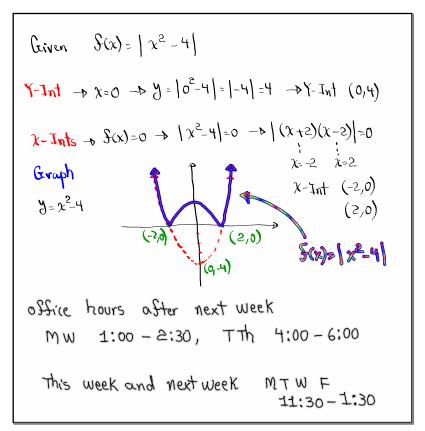


Feb 6-9:38 AM

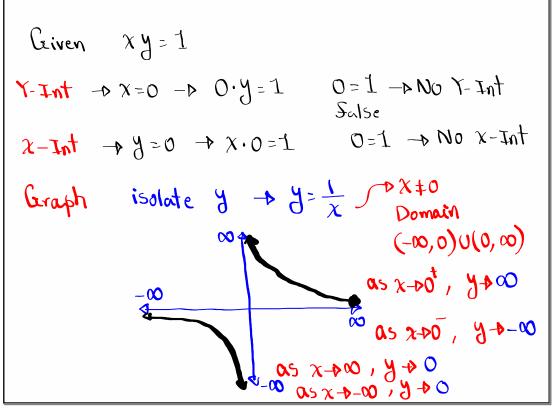


Feb 7-8:48 AM

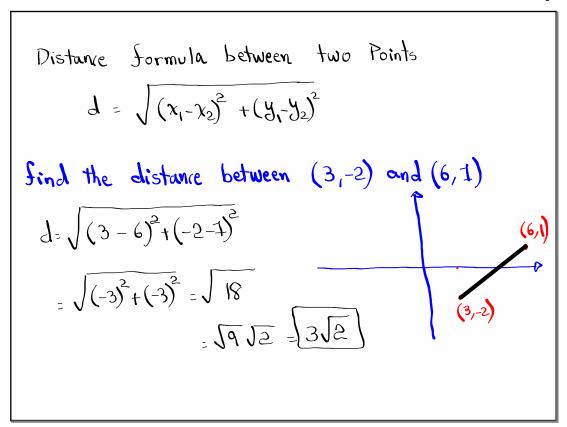




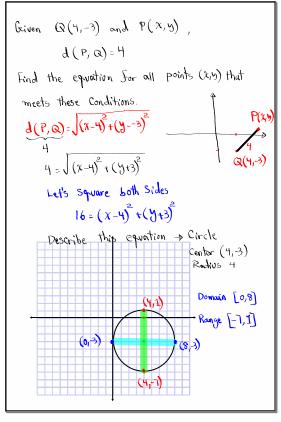
Feb 7-9:00 AM



Feb 7-9:11 AM



Feb 7-9:17 AM



Feb 7-9:21 AM

Find
$$\frac{1}{x}$$
 Difference Quotient

Find $\frac{1}{x+h} - \frac{1}{x}$, Simplify, then evaluate for $h = 0$.

$$\frac{1}{x+h} - \frac{1}{x}$$

$$\frac{1}{x} - \frac{1}{x} - \frac{1}{x} - \frac{1}{x}$$

$$\frac{1}{x} - \frac{1}{x} - \frac{1}{x} - \frac{1}{x}$$

Feb 7-9:31 AM

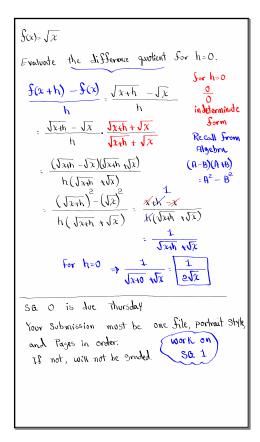
Given
$$f(x) = \chi^2$$

Find the difference Quotient, Simplify, evaluate for h=0.

$$\frac{f(x+h) - f(x)}{h} = \frac{(x+h)^2 - \chi^2}{h}$$

$$= \frac{h(2x+h)}{h} = 2x + h$$
For h=0 -> [2x]

February 7, 2024



Feb 7-9:41 AM