

$$\frac{2}{b}$$

$$g(x) = \frac{2}{3}x + \frac{1}{x^2}$$

LATEX

$$\alpha = 3^{1/3}$$

$$\rightarrow \alpha \cdot 10 = \cancel{10.3}$$

$$= 10 \cdot 3^{1/3}$$

$$= 30^{1/3} = 14$$

$$g(14) = \frac{2}{3}(14) + \frac{1}{(14)^2}$$

$$= 9.3$$

$g(x) \neq x$ FOR
ALL x W/ IN
1 ORDER OF MAG
OF α

SO, $g(x)$ DOES
NOT MAP $[a, b]$
ON $[a, b]$ FOR
ALL x NEAR α

