

$$\text{range} = \text{dom} \quad -5 < x < 5$$

$$\text{domain} = 5$$

$$b. \quad \log_{10}(2^{1000}) = ?$$

11 ~~TOO MANY!~~ 1002.

$$c. \quad C = \pi d.$$

$$96_{\text{cm}} = \pi d$$

$$\frac{96_{\text{cm}}}{\pi} = d$$

$$\frac{d}{2} = r$$

$$r = \frac{96}{2\pi}$$

$$r = 153 \text{ mm}$$

$$= \frac{h}{6} \left(f(a) + 4 \times \left(f\left(\frac{a+b}{2}\right) \right) + f(b) \right)$$

$$= \frac{8}{6} \left(f(1.3) + 4 \times \left(\frac{3}{2} \right) + 1.7 \right)$$

$$= \frac{8}{6} \times 12 = 16.$$

$$12 \times 0.5^{-1} \times 60 \times 60 = 86400$$

Approx 86400 Litres passes through.