



Question
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a) domain = $-5 \leq x \leq 5$

range = $0 \leq y \leq 10$

b) i) ~~$\log_{10}(2^{1000}) =$~~

ii)

c) $L = r\theta$

~~$r = 30$~~

~~$r = 80$~~

$80 \text{ mm} = r 30$

$r = \frac{80}{30}$

$= 3 \text{ mm}$

$= 3 \text{ mm}$

d) \int_a^b

i) ~~$\int_a^b f(x) dx = \frac{b-a}{2} (f(a) + f(b))$~~

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