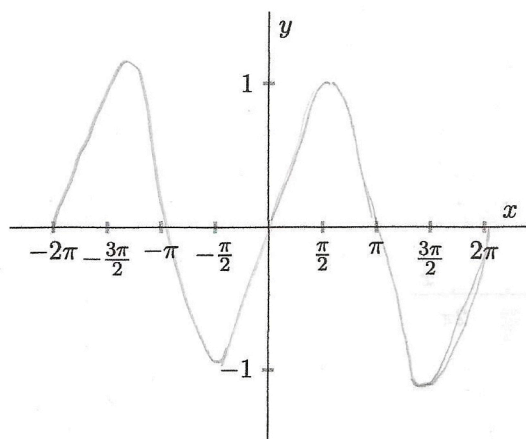
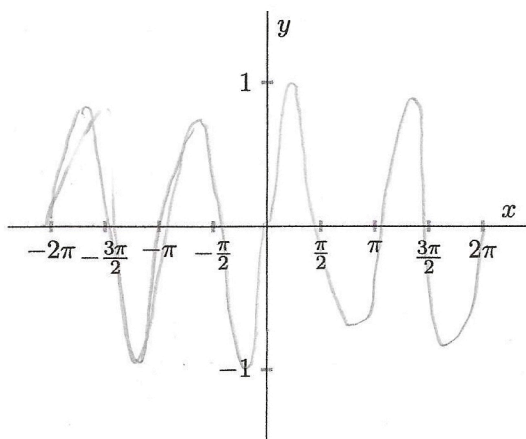


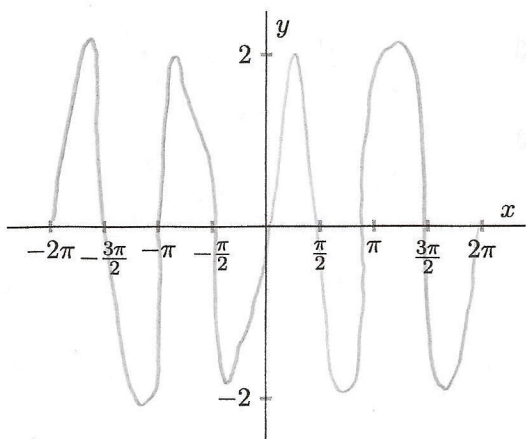
$$d(x) = \sin x$$



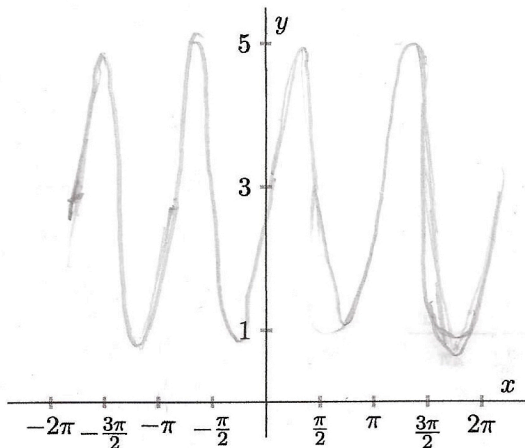
$$e(x) = \sin 2x$$



$$f(x) = 2 \sin 2x$$



$$g(x) = 3 + 2 \sin 2x$$



c)

The image set for  $g$  is;

$$g(x) = \{x \in \mathbb{R} : [1, 6]\}$$

d)

$$-\pi \leq x \leq \pi$$

e)

$$h(x) = 3 + 2 \sin 2x$$

$$3 + 2 \sin 2x$$

