1. Sketch the graph

$$y = 2\sin(2x - \pi) + 3$$

2. State the transformations which map:

a.

$$y = \sin x \quad \text{onto} \quad y = -3 + \sin(x + 2)$$

b.

$$y = \sin x \quad \text{onto} \quad y = \tfrac{1}{2}\sin x$$

3. Find function