Trigonometric Graphs

1. Skecth the graph for $0 \leq x \leq 360^0$

a. $y = 3\cos x$ b. $y = 5\sin x$ c. $y = 4\sin x$ d. $y = 2\cos x$

e. $y = -2\cos x$ f. $y = -2\sin x$ g. $y = \frac{1}{2}\cos x$ h. $y = -0.6\sin x$

2. Sketch the graph for $0 \leq x \leq 360^0$

a. $y = \sin 2x$ b. $y = \sin 3x$ c. $y = \cos 3x$ d. $y = \cos 2x$

e. $y = \cos 0.5x$ f. $y = \sin\frac{1}{2}x$ g. $y = \sin 0.25x$ h. $y = \cos\frac{1}{4}x$

3. Sketch the graph for $0 \leq x \leq 360^0$

a. $y = \sin x + 2$ b. $y = \sin x + 3$ c. $y = \cos x + 3$ d. $y = \cos x + 2$

e. $y = \cos x - 2$ f. $y = \sin x - 3$ g. $y = \sin x + 5$ h. $y = \cos x - 4$

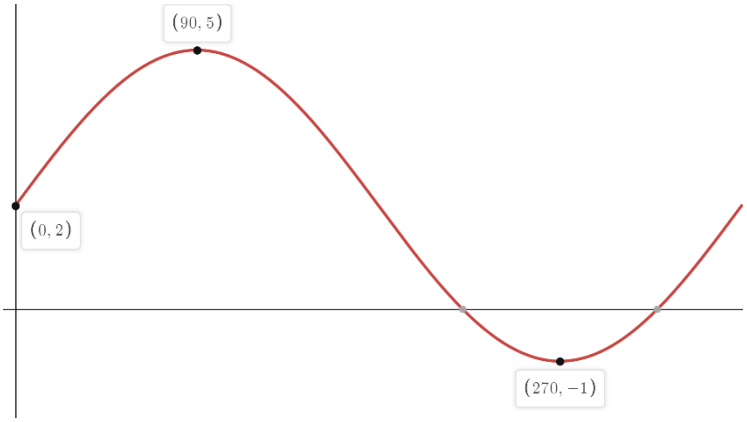
4. Sketch the graph for $0 \leq x \leq 360^0$

a. $y = 3\sin x + 2$ b. $y = 2\sin x + 3$ c. $y = 3\cos x + 3$ d. $y = 4\cos x + 2$

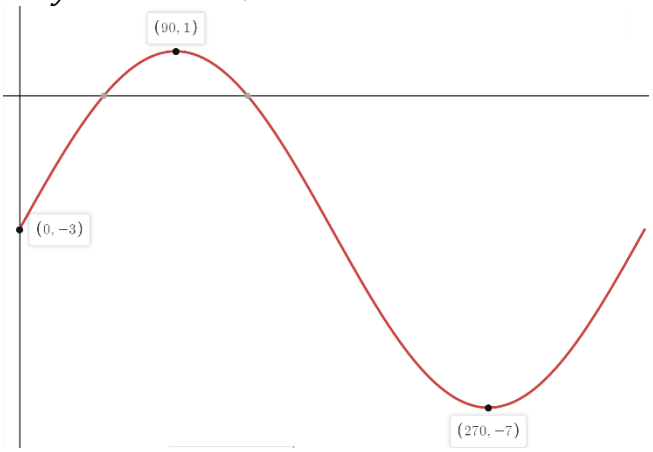
e. $y = 3\cos x - 2$ f. $y = 2\sin x - 3$ g. $y = 2\sin x + 5$ h. $y = 4\cos x - 4$

5. State the value of a and b of each of the graphs for $0 \leq x \leq 360^0$

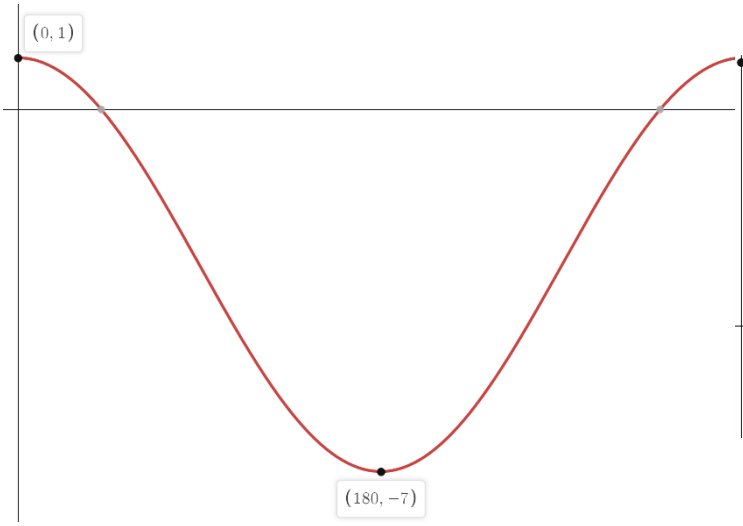
a. $y = a\sin x + b$



b. $y = a\sin x + b$



c. $y = a\cos x + b$



d. $y = a\cos x + b$