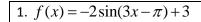
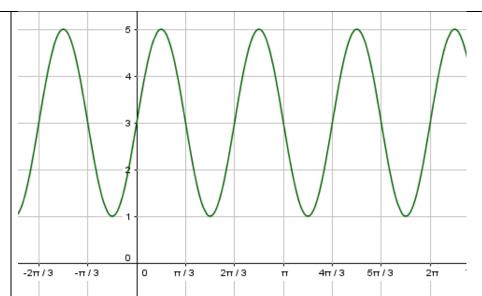
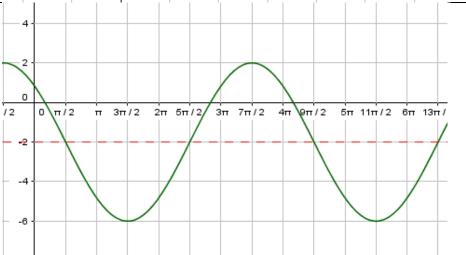
Graph f(x) and find the range, amplitude, phase shift, period and neutral line.



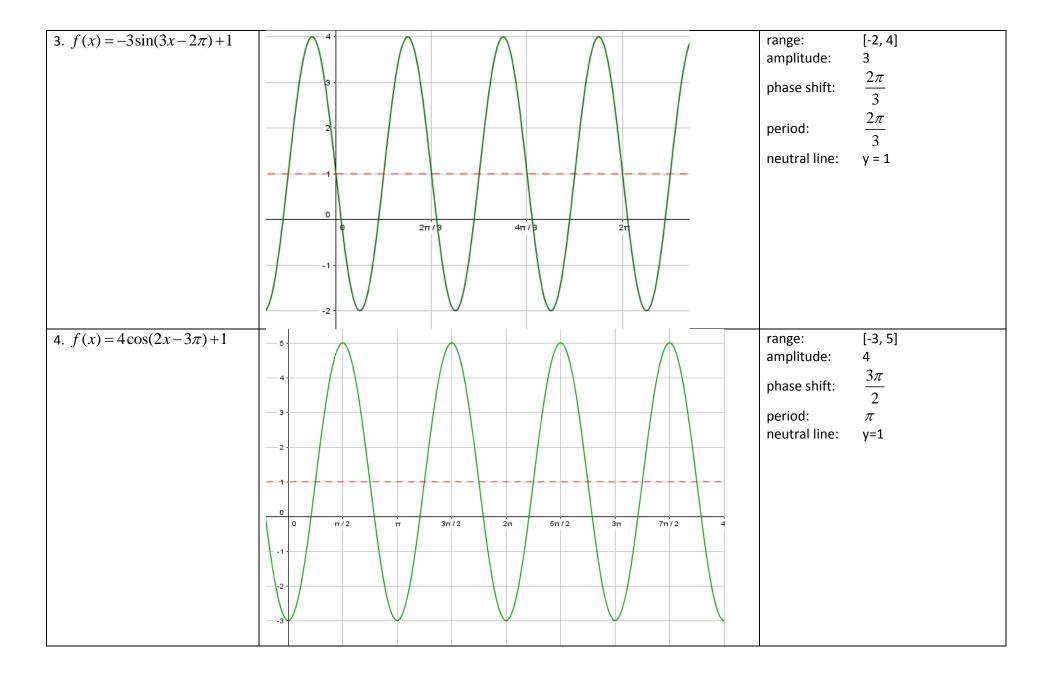


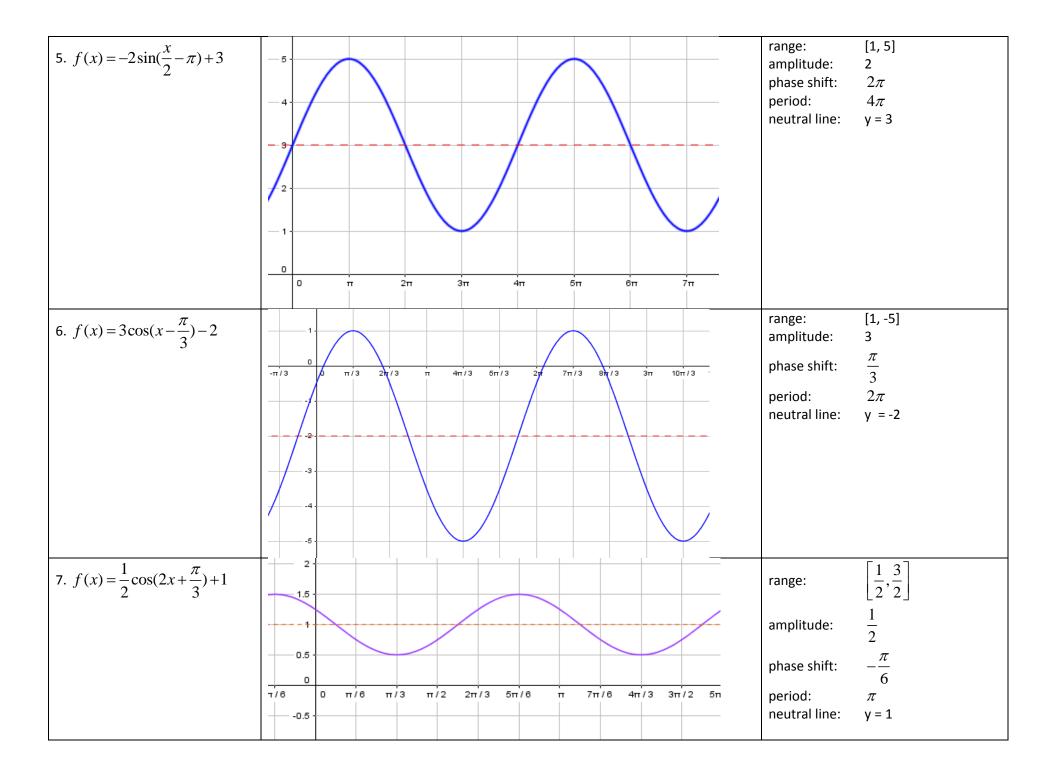
- [1, 5] range:
- amplitude: 2
- phase shift:
- $\frac{\frac{\pi}{3}}{\frac{2\pi}{3}}$ period:
- y = 3 neutral line:

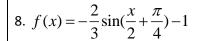
2. 
$$f(x) = 4\cos(\frac{x}{2} + \frac{\pi}{4}) - 2$$

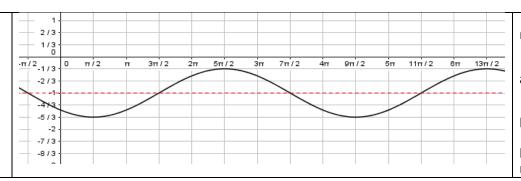


- [-6, 2] range: amplitude:
- phase shift:
- $4\pi$ period:
- neutral line: y = -2









range:

amplitude:

phase shift:

 $2\pi$ period:

neutral line: y = -1