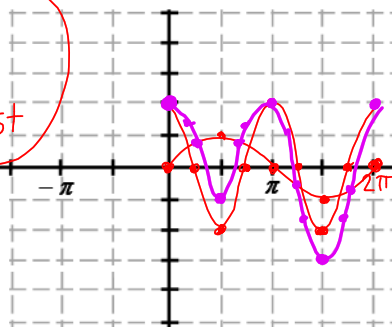


Addition of Ordinates

1.  $y = \sin x + 2 \cos 2x$

- Vert. Shift:
- Phase Shift:
- Amplitude:
- Period:
- Curve:

Graph to the longest period

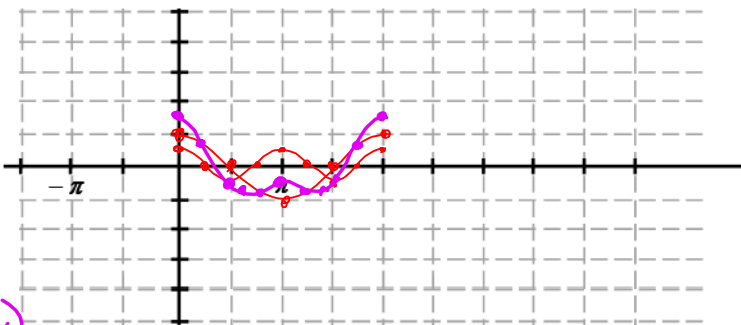


Graph the two functions individually. Those are in red. Then, as you move along the x-axis from left to right, add the y-coordinates together. That is my purple graph.

2.  $y = \cos x + \frac{1}{2} \cos 2x$

- Vert. Shift:
- Phase Shift:
- Amplitude:
- Period:
- Curve:

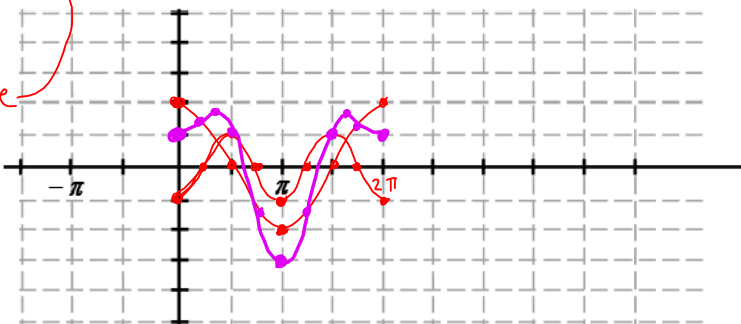
$\frac{1}{2} \uparrow A$



3.  $y = 2 \cos x - \cos 2x$

- Vert. Shift:
- Phase Shift:
- Amplitude:
- Period:
- Curve:

graph as a negative



4.  $y = \sin x + \cos x$

- Vert. Shift:
- Phase Shift:
- Amplitude:
- Period:
- Curve:

