

Trigonometry T8: Transforming Trig Functions

State the amplitude, period, midline, and phase shift of the following functions:

1. $y = 4 \sin x + 5$

2. $y = 2 \cos 3x$

3. $y = \cos 4x + 6$

4. $y = 6 \sin(x - 180^\circ)$

5. $y = 11 \cos(2x + 90^\circ) - 5$

6. $y = 2 \tan(2\pi x) - 3$