

Math 3 Advanced

19.1 part 2

Determine the range and period of each sinusoidal function.

1.  $y = \sin(x) + 2$

2.  $y = 5 + \cos(\theta)$

3.  $y = \frac{2}{3} \sin(\theta) + 1$

4.  $y = 2 + \frac{3}{2} \cos(x)$

5.  $y = -\frac{5}{3} \cos x + \frac{5}{6}$

6.  $y = \sin(3x) - \frac{1}{3}$

7.  $y = \cos(2\theta) + 1$

8.  $y = \frac{5}{2} \sin\left(\frac{1}{4}\theta\right) - \frac{1}{2}$