

Math 3 Advanced

19.1 part 1

Determine the range and period of each sinusoidal function.

1. $y = \sin \theta + 1$

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

3. $y = \frac{1}{2} \sin(x) - \frac{2}{3}$

4. $y = 1 + 3 \cos(x)$

5. $y = -8 \cos(x) - 1$

6. $y = \sin(2x) + 5$

7. $y = \cos\left(\frac{3}{2}\theta\right) - \frac{1}{2}$

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