

Math 3 Advanced

19.1 part 3

Determine the range and period of each sinusoidal function.

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

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

3. $y = 2 \sin x + 2$

4. $y = -\frac{1}{4} + 5 \cos \theta$

5. $y = -\frac{3}{8} \cos(\theta) + 3$

6. $y = \sin\left(\frac{1}{2}\theta\right) + 1$

7. $y = \cos\left(\frac{1}{2}x\right) + 8$

8. $y = -5 \cos(3\theta) + 2$