

3 Sine waves and inverse trig – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 it ranges from -1 to 1 , and its period is 2π .

2.2 amplitude = 5 .

2.3 amplitude = 2 ; period = $\frac{2\pi}{3}$.

2.4 midline $y = 2$; maximum = $2 + 4 = 6$; minimum = $2 - 4 = -2$.

2.5 it takes a ratio and returns the angle that produces it (the reverse of sine, cosine, or tangent).