

MODULE 9**THE TRIGONOMETRIC FUNCTIONS**

Name: _____ Points: _____

Exercise 1. Find the trigonometric function values. Assume that $\cos(\beta) = -\frac{5}{13}$, and that β is in quadrant III. Find $\sin(\beta) =$

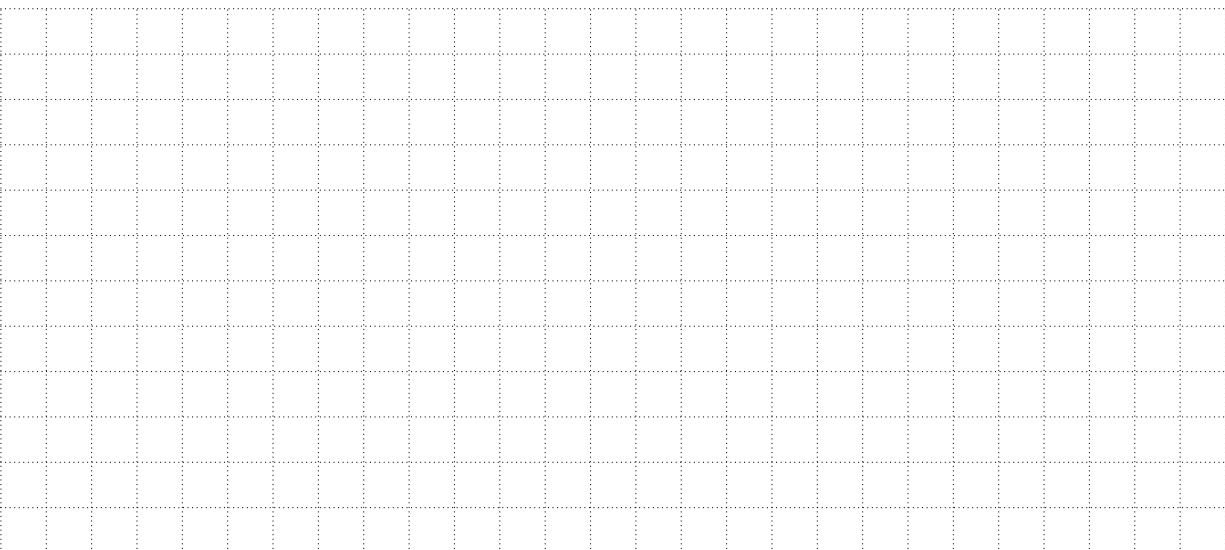
Exercise 2. Find the amplitude, period, and phase shift. Graph the function over one full period. Label all maxima, minima, and x -intercepts.

(a) $f(x) = 4 \sin(2x - \pi)$

amplitude =

period =

phase shift =



(b) $f(x) = 5 \cos(4x + 3\pi)$

amplitude =

period =

phase shift =

