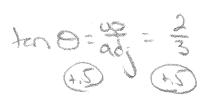
Quiz 5

Show all your work. No credit is given without reasonable supporting work. There are two sides to this quiz.

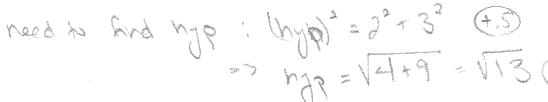
1. (§6.2 #5) Given the angle θ in the right triangle show on the right, answer the following:

(a) $[1] \tan \theta$

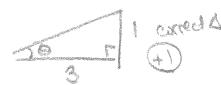


(b) $[2] \cos \theta$





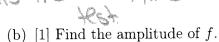
2. [2] (WebHW13 #7) Let θ be an angle whose terminal side is in the 3rd quadrant and $\tan(\theta) = \frac{1}{3}$. Find $\sin(\theta)$

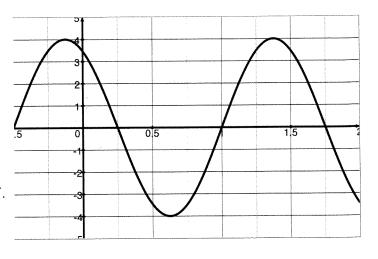




1

- 3. $(\S 5.3 \# 47)$ Let f be the function graphed below.
 - (a) [1] Does f have an inverse? Why or why not?





(c) [1] Find the period of f.

14,5 = 1,5 or 3/2

(d) [1] Find the phase shift of f.

(e) [1] Write an equation that represents the graph of f in the form $y = a \sin k(x - b)$.

y=4sin x (x-3) reed 2= 3 y=4sin \(\frac{1}{3}\) (x+3) = 3 at = \(\frac{1}{3}\) \(\frac{1}{3}\)

Check!

History

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