

MATH 131 QUIZ 2

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1. Which of these two functions has the greatest amplitude:

a) $-3\sin(\frac{2t}{3})$ or $2\cos(4t)$.

b) Which has the greatest period?

2. What is the amplitude and the period of the following functions:

a) $y = -4\cos(\frac{2t}{3})$

b) $y = \frac{2}{3}\sin(3t)$

c) $y = -10\sin(\frac{4t}{3})$

3. Sketch the following functions:

a) $y = 3 + \sin 3t$

b) $y = 5 - 2\cos(\frac{t}{2})$