Math1210 Quiz 6 (0.7, 1.4, 2.4)	Summer, 2009	Dylan Zwick
Name	Date	

Instructions: Please show all of your work as partial credit will be given where appropriate, **and** there may be no credit given for problems where there is no work shown. All answers should be completely simplified, unless otherwise stated. (Note: This quiz is on both sides of the paper.)

1. For $y = \frac{1}{3}\cos(2(x-\pi)) - 5$, give the following information

amplitude?

period?

vertical shift _____ units

up or down (circle one)
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horizontal shift _____ units

right or left (circle one)

- 2. Evaluate these limits.
 - (a) $\lim_{t\to 0} \frac{\cos^2 t}{3-3\sin t}$

Answer 2(a): _____

 $\lim_{\theta \to 0} \frac{\sin(2\theta)}{\tan(5\theta)}$ (b)