Dawson	College:	Calculus II	(SCIENCE)	201-NYB-05-S4:	Winter 2011
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## Quiz 11

This quiz is graded out of 10 marks. No books, calculators, notes or cell phones are allowed. You must show all your work, the correct answer is worth 1 mark the remaining marks are given for the work. If you need more space for your answer use the back of the page.

**Question 1.** (5 marks) §8.3 #15 Determine whether the series is convergent or divergent.

$$\sum_{n=2}^{\infty} \frac{1}{n \ln n}$$

**Question 2.** (5 marks) §8.3 #25 Determine whether the series is convergent or divergent.

$$\sum_{n=1}^{\infty} \sin\left(\frac{1}{n}\right)$$