

Our THIRTEENTH ASSESSMENT will happen on Wed/Thurs on Feb 26/27. The problem sets you should have worked through are from Problem Set 86 - Problem Set 94 as well as Lab 11. The assessment will focus on the following topics as emphasized in PS 86 - PS 94:

**1) TOPIC 3: Trigonometry**

- a) Do some Review Qs from Oxford, Chap 11 REVIEW on p397 - 399
- b) Do some Review Qs from Oxford, Chap 13 REVIEW on p488 - 489

**2) TOPIC 4: Vectors**

- a) Working with Applications of Vector Word Problems → Oxford 12.5, p437 - 8, Q1-4
- b) Working with Vectors Word Problems → Cirrito 12.7.2, p455, Q1,2
- c) Working with Vectors Word Problems → Cirrito, Revision Set C, p465, Q30,31

**3) TOPIC 5: Stats and Probability**

- a) Normal Distribution → from Oxford, Chap 15.3:
  - i) Chap 15H, p541, Q3,4,5
  - ii) Chap 15I, p543, Q2,3
  - iii) Chap 15J, p544, Q1-5
  - iv) Chap 15K, p546, Q1,2
  - v) Chap 15L, p548, Q2,3,4
  - vi) Chap 15M, p550, Q3,4,5
- b) Binomial Distributions → Oxford 15D, p533, Q3,4,5 and Oxford 15E, p534, Q1,2,3

**4) TOPIC 6: Calculus**

- a) Volumes of Revolution → Oxford 9N, p320, Q1-6 and Cirrito 22.7, p768, Q1-7
- b) Motion Questions → Cirrito 21.3, p699, Q3,4,5 (CI) and Q8,9,11 (CA) and Cirrito 22.6, p764, Q2,4,6
- c) Area under curves → Cirrito 22.4, p 745, Q2,4,8 (basics) and Cirrito 22.5, p758, Q1,2,4
- d) Optimization → Oxford 7X, p246, Q2,3 and Oxford 7Y, p248, Q1,2,4