Chapter 4, Stewart Venit and Wayne Bishop, “Elementary Linear Algebra”.

**Determinants**

*Section 4.1 Definition of Determinant*

**Key point.** Definition of Determinant (page 162).

- Consider Example 1 (page 162).
- Consider Example 2 (pages 162-163).
- Consider Example 5 (page 165).
- Consider Example 6 (pages 165-166).
- Consider Example 7 (page 167).

*Tutorial and self-assessment questions*

- Do Exercise 7, page 168.

*Section 4.2 Properties of Determinants*

- Consider Example 1 (page 171).
- Consider Example 3 (pages 172-173).
• Consider Example 4 (pages 174-175).

• Consider Example 7 (page 179).

**Tutorial and self-assessment questions**

• Do Exercise 2, page 179.

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**Section 4.3 Cramer's Rule**

• Consider Example 1 (pages 183-184).

• Consider Example 3 (page 185).

• Consider Example 4 (pages 186-187).

**Tutorial and self-assessment questions**

• Do Exercise 5, page 189.

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**Key point. Chapter Summary** (pages 191-192).
Chapter 8, James Stewart, “Single Variable Calculus”.

Section 8.1 Sequences

● Consider Example 1 (page 557).

● Watch and Learn from the Video Lessons:

Example 2. Finding the General Term of a Sequence.

● Consider Example 4 (page 560).

● Consider Example 6 (page 561).

● Watch and Learn from the Video Lessons:

Example 8. Investigating Convergence.


● Consider Example 11 (page 563).

Tutorial and self-assessment questions

● Do Exercise 10, page 565.

Section 8.2 Series

● Consider Example 1 (page 569).
• Watch and Learn from the Video Lessons:

Example 2. Summing a Geometric Series.

Example 4. Writing a Repeating Decimal as a Fraction.

• Consider Example 6 (page 571).

• Watch and Learn from the Video Lessons:

Example 7. Divergence of the Harmonic Series.

• Consider Example 8 (page 572).

• Consider Example 9 (pages 573-574).

Tutorial and self-assessment questions

• Do Exercise 19, page 574.