

- 1** Calculate the amount of the following compound interest investments (to the nearest cent):
  - a** \$2000 invested at 6% per annum for four years.
  - b** \$10 000 invested at 12% per annum for five years.
  - c** \$8000 invested at 5% per annum for three years.
  - d** \$50 000 invested at 4% per annum for ten years
  - e** \$22 500 invested at 7% per annum for three years
  - f** \$4000 invested at 5% per annum for 20 years
  
- 2** Calculate the amount which should be invested (to the nearest cent) to achieve the amounts stated:
  - a** \$12 000 in four years' time if the principal is invested at 7% per annum compounded yearly
  - b** \$50 000 in three years' time if the principal is invested at 5% per annum compounded yearly
  - c** \$16 000 in two years' time if the principal is invested at 4% per annum compounded yearly

### Answers for Chapter 4 Skillsheet 4D

- 1**
- a** \$2524.95
  - b** \$17 623.42
  - c** \$9261
  - d** \$74 012.21
  - e** \$27 563.47
  - f** \$10 613.19
- 2**
- a** \$9154.74
  - b** \$43 191.88
  - c** \$14 792.90