HSC Worked Solutions

- **SQ FM** A house was purchased at the start of 1986 for \$45 000.
 - **19** Assume that the value of the house has increased by 8% per annum since then. What is the value of the house at the end of 2019, to the nearest \$1000?

2019 - 1986 = 33. From start of 1986 to start of 2019 is 33 years. Plus all of 2019 gives 34 years. Value = 45 000(1 + 0.08)³⁴ = 616 056.0123... = 616 000 (nearest thousand) The value is \$616 000.

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by NESA.

2