

7 Solving simple differential equations – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 integrate $f(x)$ (the reverse of differentiation).

2.2 $y = x^2 + C$.

2.3 $y = x^4 + C$.

2.4 exponential growth (the rate is proportional to the amount).

2.5 any two of: population growth, money earning compound interest, radioactive decay, spread of a disease.