



- 1) Solve simultaneously $3x + 4y = 14$ and $x + 6y = 7$
- 2) One solution of $\sin x = -0.342020 \dots$ is $x = 200^\circ$
What is the other solution in the range $0^\circ \leq x < 360^\circ$?
- 3) Find the 100th term of the sequences 46, 52, 58, 64, ...
- 4) Find $fg(x)$ where $f(x) = 3x + 8$ and $g(x) = x^2 - 6$
- 5) Simplify $\frac{2}{x+3} - \frac{5}{x}$