

# Year 11 Calculus Scholarship Notes

Phil Adams

2025

# Contents

1	Non right-angle trigonometry	3
---	------------------------------	---

# 1 Non right-angle trigonometry

## Questions

(Answers - page 6)

Questions go here

1.  $(x + y)^3$

2.  $(2x + y)^4$

3.  $(2x - 3)^5$

4.  $(3x + 2y)^4$

5.  $(2x + \frac{1}{x^2})^4$

# Solutions

## Answers - Non right-angle trigonometry answers (page 4)

1.  $(x + y)^3 = x^3 + 3x^2y + 3xy^2 + y^3$