- Section A: Algebra & Equations
- Solve for \(x \):
- $\sqrt{5^{2x-1}} = 25^{x+3}$
- Find all real solutions:
- $\sqrt{x + 3} + \sqrt{x 2} = 5$
- If $\ (f(x) = 2x^2 3x + 1)$, find $\ (f(f(2)))$.
- Simplify completely:
- 2x + 3y = 7 \\
 4x y = 11 ieW page 1 of 4

 Prices Page 1 Solve the system of equations:
- \[
- \begin{cases}
- $2x + 3y = 7 \$

- Section B:

Geometry & Trigonometry

- A right triangle has legs of lengths \(5 \) cm and \(12 \) cm. What is the length of the altitude drawn to the hypotenuse?
- A circle is inscribed in an equilateral triangle with side length \(6 \) cm. What is the area of the circle?