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| --- | --- | --- | --- |
| **Write down the coordinates of where the curve and the line meet.** | **Rearrange the following to make x the subject.**1.
2.
3.
4.
 | **Write the following quadratic in completed square form and write down the coordinates of the minimum point.****Now sketch the graph.** | **The area of the rectangle is 100cm3****What is the length of the longer side?** |
| Shade the region that satisfies all 3 inequalities. | **Write down the radius and the coordinates of the centre of the circle:** **Now write the equations in expanded form. Explain how you can get back to the form above.** | **Show that****simplifies to** **Now solve the equation.** | **Find the gradient of the line perpendicular to this one.****Can you write down the equation of the line perpendicular to this which passes through (2,1)** |
| **Simplify the following:**1.
2.
 | **Prove that the sum of any 2 consecutive odd numbers is a multiple of 4** | **Simplify the following algebraic fraction**  | **Solve the following equations:**1.
2.
 |