Question 7 **(6 marks)**

The world's tallest man was recorded as 60 cm long at birth. He grew 28 cm in his first year, 26 cm in his second year and so on, always 2 cm less than in the previous year until he stopped growing.

(a) Calculate his annual growth (in cm) in his fourth and fifth years. (1 mark)

(b) Deduce the rule for his annual growth in the n^{th} year, until he stopped growing. (2 marks)

(c) In which year did he first not grow any taller? (1 mark)

(d) Calculate his maximum height. (2 marks)