

11 A company makes two sizes of containers, small and large.

Each small container is similar to each large container.

The volume of each small container is 225 cm^3

The volume of each large container is 650 cm^3

Given that the height of each large container is 18 cm,

calculate the height, in cm to 3 significant figures, of each small container.

..... cm

(Total for Question 11 is 3 marks)

12 x is an integer such that $2(1 - 3x) > 25 - 2x$

Find the greatest possible value of x .

(Total for Question 12 is 3 marks)

