

The heights of buildings in a large city are normally distributed with mean 18.3m and standard deviation 2.5m.

- (a) Find the probability that the total height of 5 randomly chosen buildings in the city is more than 95 m. [4]

[illegible]

- (b)** Find the probability that the difference between the heights of two randomly chosen buildings in the city is less than 1 m. [5]

[illegible]