

4. A tree was planted in the ground.
Its height, H metres, was measured t years after planting.

Exactly 3 years after planting, the height of the tree was 2.35 metres.
Exactly 6 years after planting, the height of the tree was 3.28 metres.

Using a linear model,

- (a) find an equation linking H with t .

(3)

The height of the tree was approximately 140 cm when it was planted.

- (b) Explain whether or not this fact supports the use of the linear model in part (a).

(2)