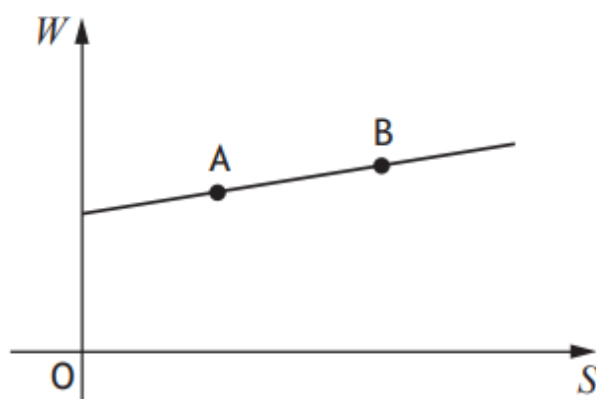




David works in a shop, and is paid weekly.

His wage is made up of a basic wage plus commission on his sales.

The graph shows his wage, W pounds, against his sales, S pounds.



Point A represents sales of £6000 and a wage of £450.

Point B represents sales of £7200 and a wage of £510.

(a) Find the equation of the line in terms of W and S .

Give the equation in its simplest form.

3

(b) Calculate David's wage in a week when his sales are £1000.

1

Answers:

(a) $W = \frac{1}{20}S + 150$ or equivalent

(b) £200