

## 'Solar Panelling A House'

a)  $h = 1.6m$

Thus the area of one side of the roof is  $5 \times 3.4 = 17 \text{ m}$

Thus the total area that could be covered is 34 m. (4)

b) 3 rows of solar panels up the roof 3 columns of solar panels along the roof Thus 9 solar panels in total The cost to the homeowner is therefore £1800. (3)