

M8 = 24 days to go!

6 Tom bought shares costing £4 000

The value, V , of the shares depreciated by 0.05% each year.

Circle the formula which gives the value, V , of the shares after two years.

$$V = (4000 - 0.05)^2$$

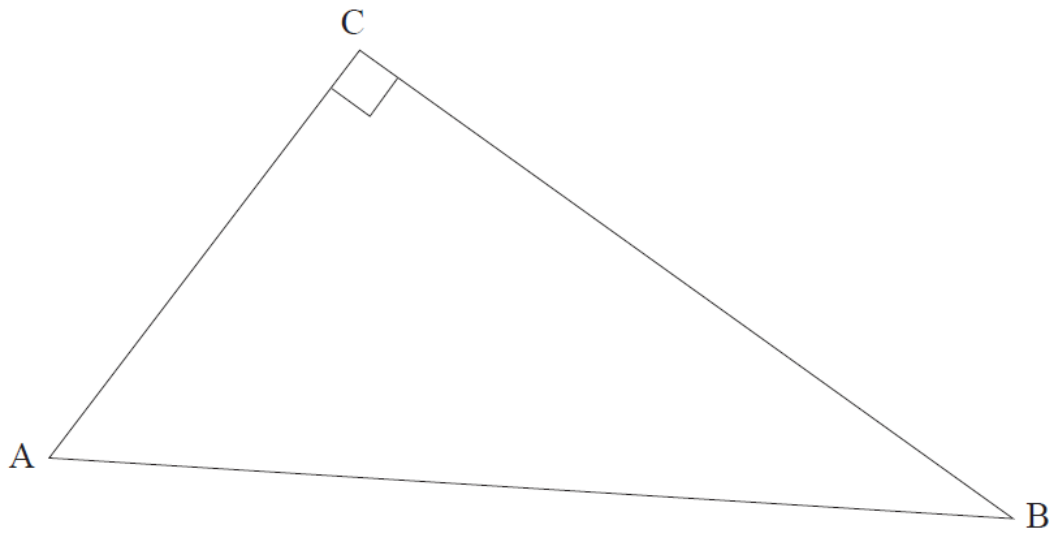
$$V = 4000 (1.05)^2$$

$$V = 4000 (0.9995)^2$$

$$V = 4000 (0.95)^2$$

[1]

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$$BC = 3\sqrt{5} - 1 \text{ and } AC = 3 + \sqrt{5}$$

Find AB.

Give your answer in the form $p\sqrt{q}$

[5]