



Air maths tuition

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Modulus Functions | Past Paper Question | C3 OCR January 2013 Q3(a)

Given that $|t| = 3$, find the possible values of $|2t - 1|$.

Now since $|t| = 3$

$$\therefore t = -3 \quad \text{or} \quad t = 3$$

$$\text{When } t = -3, \quad |2t - 1| = |2(-3) - 1|$$

$$= |-7|$$

$$= \underline{7}$$

$$\text{When } t = 3, \quad |2t - 1| = |2(3) - 1|$$

$$= |5|$$

$$= \underline{5}$$

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