

intersects the circumference in two points, according to our "common sense". If only admit rational numbers in our number system, show that the line "snags" through a gap in the rationals.

Let P_1, P_2, P_3, P_4

be the four points

where the line

intersects the circle

at the points P_1, P_2

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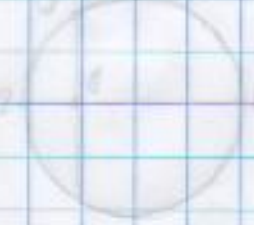
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