## Distances to planes and lines

1. Using vector methods, find the distance from the point $(1,0,0)$ to the plane $2 x+y-2 z=0$. Include a 'cartoon' sketch illustrating your solution.
2. Using vector methods, find the distance from the point $(0,0)$ to the line $2 x+y=2$. Include a sketch.

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### 18.02SC Multivariable Calculus

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