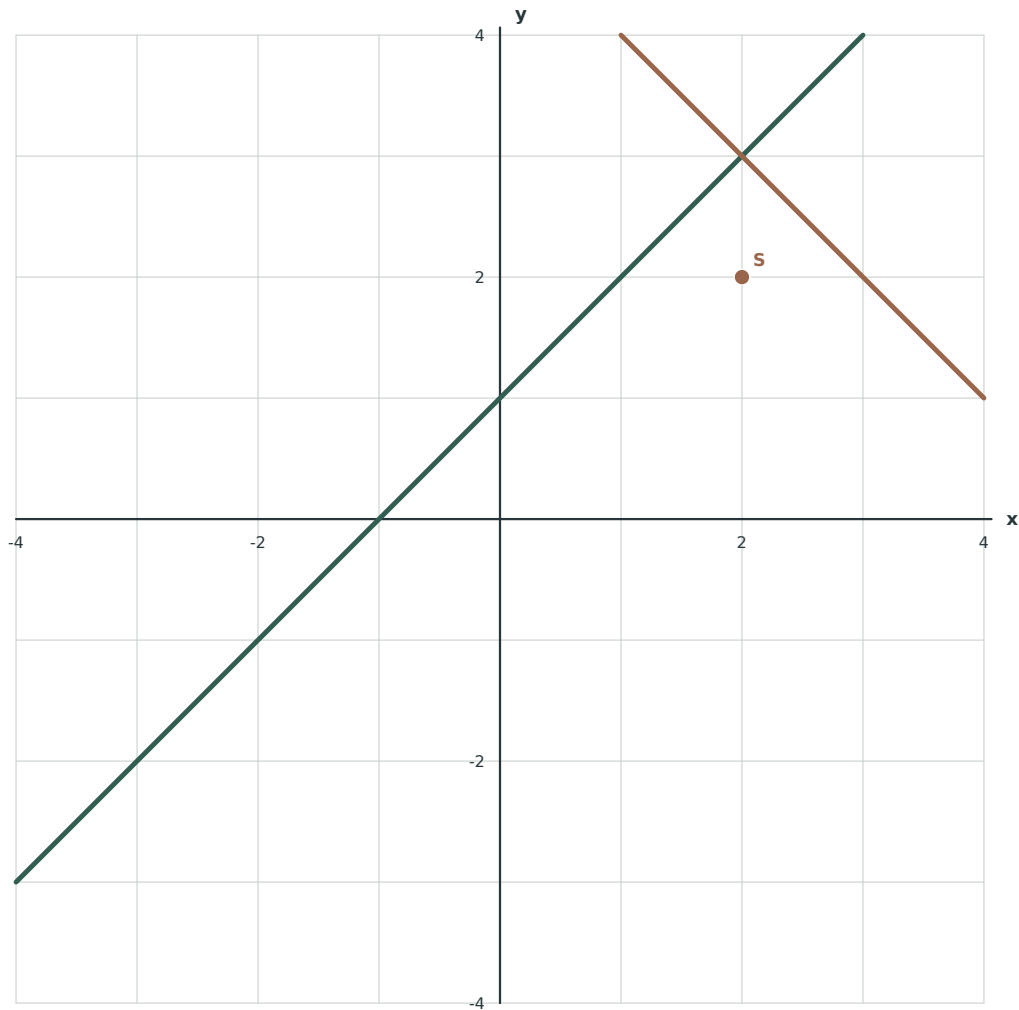


One intersection

Graph both equations on the same coordinate plane. A shared point is a solution; parallel lines have none and coincident lines share every point.

Line 1: $y=1x+(1)$; line 2: $y=-1x+(5)$.



1. How many solutions? one intersection.
2. If one, state the intersection. Intersection ('2', '2').
3. Why does a shared point solve both equations? A shared point satisfies both equations.