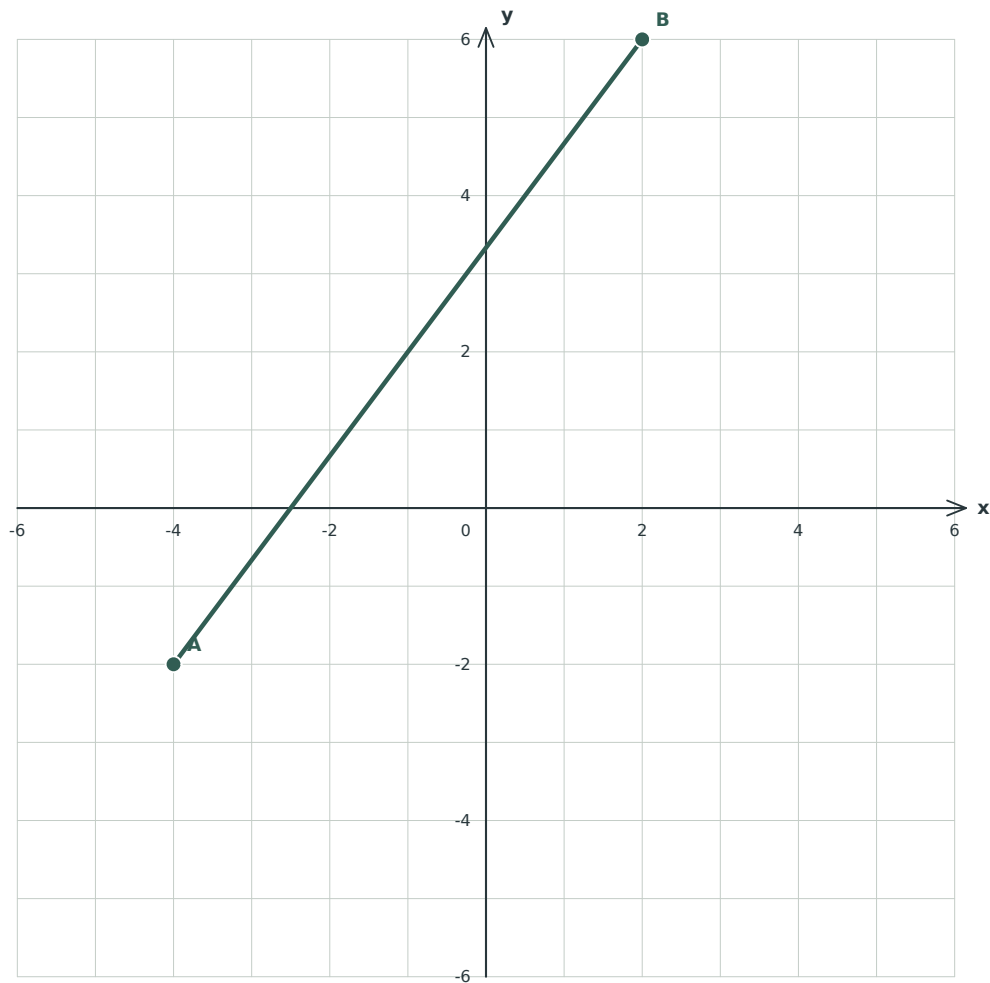


A six-by-eight displacement

Find the coordinate midpoint and straight-line distance. Do not measure the printed segment with a ruler to obtain coordinate units.

$A = (-4, -2)$; $B = (2, 6)$. $M = ((x_A+x_B)/2, (y_A+y_B)/2)$. $d = \sqrt{dx^2+dy^2}$.



1. Find and plot the midpoint M. _____
2. Calculate dx, dy and distance squared. _____
3. State the nonnegative distance. _____

Original practice data / coordinate units, not ruler measurements / physical printing not tested