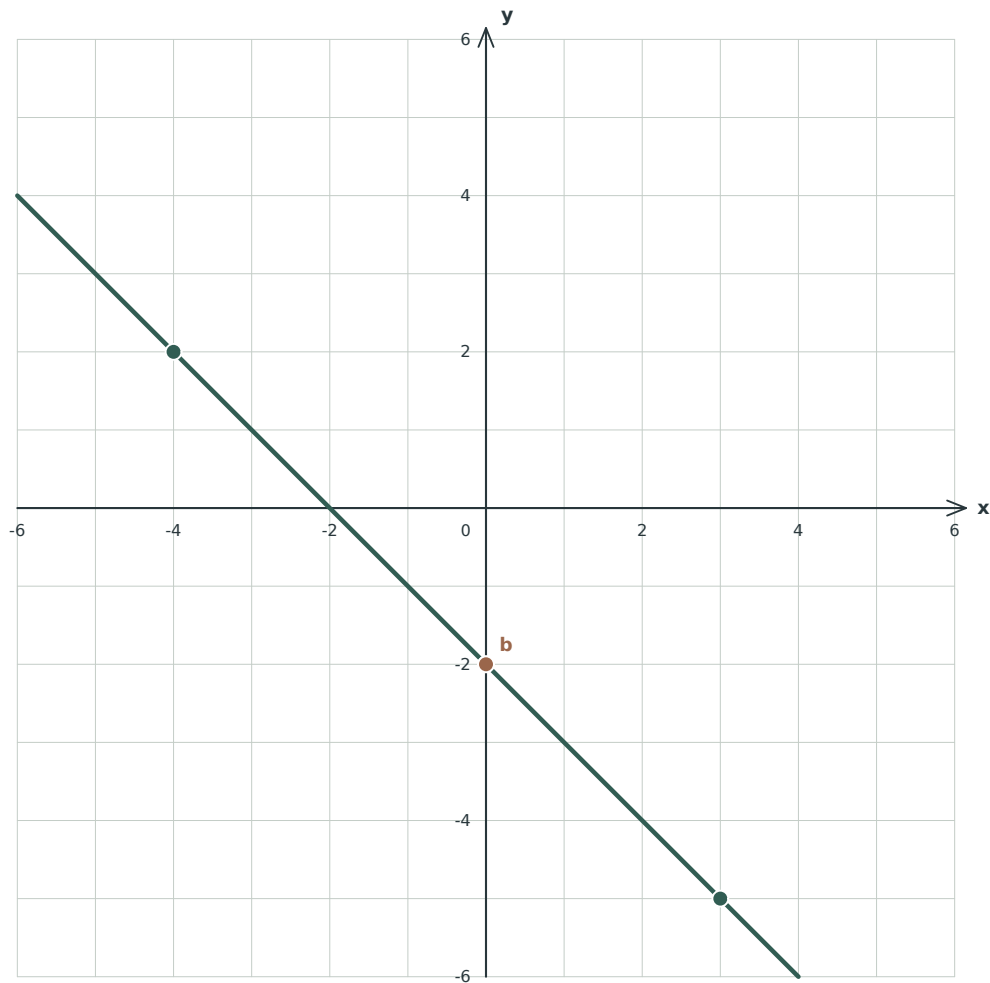


A line falling through a negative intercept

Construct the line from its equation. In $y=mx+b$, m is the signed slope and $(0,b)$ is the y-intercept.

$y = -1x - 2$. Table x values: -4, 0, 3. Every grid interval is 1 unit.



1. Identify m , b and the y-intercept. $m = -1$; $b = -2$. Intercept: $(0, -2)$.
2. Calculate the three table y values. $x = -4$: $y = 2$; $x = 0$: $y = -2$; $x = 3$: $y = -5$
3. Draw the line through the correct points. Plot the intercept and table points, then draw the straight line.

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