Quiz 4

Find an equation in slope-intercept form for the line passing through the points \((2, 3)\) and \((4, -1)\). What is the \(x\)-intercept of the line?

**Solution:** The slope of the line is \(m = \frac{-1 - 3}{4 - 2} = -2\) so the line is \(y - 3 = -2(x - 2)\) which is \(y = -2x + 7\) and the \(x\)-intercept is \(7/2\).