

Linear Equations (A)

Point-Slope Form ($y - y_1 = m(x - x_1)$)

Write the equation of each line in point-slope form then solve for y.

1. Slope: -4 Point: $(-1,-3)$

2. Slope: $-\frac{1}{9}$ Point: $(-9,6)$

3. Slope: 3 Point: $(1,-1)$

4. Slope: $-\frac{11}{4}$ Point: $(4,-4)$

5. Slope: undefined Point: $(-4,-8)$

6. Slope: $\frac{10}{9}$ Point: $(-9,-9)$

7. Slope: $\frac{4}{7}$ Point: $(7,-3)$

8. Slope: $\frac{3}{4}$ Point: $(-4,6)$

9. Slope: $-\frac{4}{3}$ Point: $(-9,5)$

10. Slope: $-\frac{13}{4}$ Point: $(4,-8)$