

Linear Equations (D)

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: -15 Point: $(1,-7)$ 2. Slope: undefined Point: $(2,-2)$

3. Slope: 4 Point: $(-2,-1)$ 4. Slope: $\frac{7}{5}$ Point: $(-5,-1)$

5. Slope: $-\frac{7}{5}$ Point: $(5,1)$ 6. Slope: 4 Point: $(-4,-7)$

7. Slope: 2 Point: $(8,9)$ 8. Slope: $\frac{5}{2}$ Point: $(2,1)$

9. Slope: $\frac{1}{2}$ Point: $(2,4)$ 10. Slope: $-\frac{13}{3}$ Point: $(3,-5)$