



# Point-slope Form

Name \_\_\_\_\_

Score \_\_\_\_\_

PS:05

Write an equation in point-slope form.

| Q. No | Point    | Slope          | Equation in point-slope form |
|-------|----------|----------------|------------------------------|
| 1)    | (2, 1)   | 8              |                              |
| 2)    | (6, -7)  | $-\frac{1}{4}$ |                              |
| 3)    | (-1, -4) | -2             |                              |
| 4)    | (3, 3)   | $\frac{5}{6}$  |                              |
| 5)    | (-2, 5)  | 4              |                              |
| 6)    | (0, -8)  | $-\frac{3}{7}$ |                              |
| 7)    | (1, 3)   | -5             |                              |
| 8)    | (9, 0)   | 10             |                              |



# Point-slope Form

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

PS:05

Write an equation in point-slope form.

| Q. No | Point    | Slope          | Equation in point-slope form  |
|-------|----------|----------------|-------------------------------|
| 1)    | (2, 1)   | 8              | $y - 1 = 8(x - 2)$            |
| 2)    | (6, -7)  | $-\frac{1}{4}$ | $y + 7 = -\frac{1}{4}(x - 6)$ |
| 3)    | (-1, -4) | -2             | $y + 4 = -2(x + 1)$           |
| 4)    | (3, 3)   | $\frac{5}{6}$  | $y - 3 = \frac{5}{6}(x - 3)$  |
| 5)    | (-2, 5)  | 4              | $y - 5 = 4(x + 2)$            |
| 6)    | (0, -8)  | $-\frac{3}{7}$ | $y + 8 = -\frac{3}{7}x$       |
| 7)    | (1, 3)   | -5             | $y - 3 = -5(x - 1)$           |
| 8)    | (9, 0)   | 10             | $y = 10(x - 9)$               |