

For problems 1 – 6, write an equation in point-slope form using the information given.

1.  $(-3, 8)$   $(7, 6)$

2.  $m = -2/3$ , point  $(1,9)$

3. Rate =  $4/5$ , point  $(0,5)$

4. slope = 6,  $(-2, -8)$

5.  $(1, 9)$   $(16, 2)$

6.  $(-8, 0)$   $(2,3)$

For problems 7-10, identify the slope and the point used in the equation.

7.  $y + 6 = \frac{1}{2}(x - 2)$

8.  $y = 3(x + 14)$

9.  $y + 1 = (x - 2)$

10.  $y - 2 = 3(x-5)$

Now find the x and y intercepts for problems 7-10. Find them below.

7.  $y + 6 = \frac{1}{2}(x - 2)$

8.  $y = 3(x + 14)$

9.  $y + 1 = (x - 2)$

10.  $y - 2 = 3(x-5)$