



Assignment: Writing Equations of Lines in Slope Intercept Form

For questions 1 - 4, using the given slope and y-intercept, write the equation of the line in slope-intercept form:

1. y - intercept = 2; slope =  $-4$
2. y - intercept =  $-5$ ; slope = 1
3. y - intercept = 9; slope = 8
4. y - intercept = 0; slope =  $-1$

For questions 5 – 7, use the given slope and point that the line passes through to write the equation of the line in slope-intercept form:

5. slope = 7; passes through the point (3, 4)
6. slope =  $-3$ ; passes through the point  $(-4, 8)$
7. slope =  $-1$ ; passes through the point (0, 1)

For questions 8 – 10, given that the line passes through the given points, write the equation of the line in slope-intercept form:

8. (4, 5);  $(-3, 7)$
9. (5, 3); (4, 9)
10. (6, 7); (10, 7)