Lesson 5.3 Practice: Slope-Intercept Form

School Launch · Algebra I · Unit 5: Linear Functions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Write the equation of the line with slope -5 and y-intercept -8. Then find y when $x = 3$. EASY

2. Write the equation of the line with slope -1 and y-intercept 0. Then find y when $x = 3$. EASY

3. Write the equation of the line with slope 3 and y-intercept 3. Then find y when $x = 3$. EASY

4. Write, in slope-intercept form, the line through $(0, -7)$ and $(-3, -13)$. MEDIUM

5. Write, in slope-intercept form, the line through $(-1, 7)$ and $(-3, -1)$. MEDIUM

6. Write, in slope-intercept form, the line through $(-2, -8)$ and $(3, 12)$. MEDIUM

7. Write, in slope-intercept form, the line through $(6, 8)$ and $(-6, 80)$. MEDIUM

8. Write, in slope-intercept form, the line through $(-3, -7)$ and $(5, 33)$. HARD

9. Write, in slope-intercept form, the line through $(8, 1)$ and $(2, 25)$. HARD

10. Write, in slope-intercept form, the line through $(-3, 4)$ and $(3, 34)$. HARD