Lesson 5.1 Practice: Rate of Change and Slope

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. Find the slope of the line through $(6, 4)$ and $(0, -20)$. EASY

2. Find the slope of the line through $(-4, 5)$ and $(3, -2)$. EASY

3. Find the slope of the line through $(-3, -9)$ and $(5, 7)$. EASY

4. Find the slope of the line through $(8, 7)$ and $(0, -1)$. MEDIUM

5. Find the slope of the line through $(7, -5)$ and $(2, -10)$. MEDIUM

6. Find the slope of the line through $(-5, 1)$ and $(7, 7)$. MEDIUM

7. Find the slope of the line through $(-2, -5)$ and $(3, 0)$. MEDIUM

8. Caleb's savings were \$627 after 4 weeks and \$75 after 12 weeks. Find the rate of change and say what it means. HARD

9. Hannah's savings were \$622 after 4 weeks and \$554 after 6 weeks. Find the rate of change and say what it means. HARD

10. Esther's savings were \$394 after 2 weeks and \$-47 after 11 weeks. Find the rate of change and say what it means. HARD