Lesson 6.3 Practice: Solving Systems by Elimination

School Launch · Algebra I · Unit 6: Systems of Equations and Inequalities · 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. Solve by elimination: $x + y = -3$ and $2x - 5y = 8$. EASY

2. Solve by elimination: $x + y = -11$ and $5x + 2y = -43$. EASY

3. Solve by elimination: $x + y = 2$ and $-x + 5y = 40$. EASY

4. Solve by elimination: $-x - 3y = -26$ and $-x - 5y = -40$. MEDIUM

5. Solve by elimination: $-4x - 6y = 24$ and $3x + 3y = -9$. MEDIUM

6. Solve by elimination: $-2x + 4y = -20$ and $4x + 3y = -26$. MEDIUM

7. Solve by elimination: $2x - 5y = -11$ and $4x - 6y = -2$. MEDIUM

8. Solve by elimination: $-2x + 4y = 4$ and $-5x - y = -12$. HARD

9. Solve by elimination: $4x + 6y = 0$ and $5x + 5y = 5$. HARD

10. Solve by elimination: $4x + y = -25$ and $5x + 4y = -23$. HARD