# Lesson 6.4 Practice: Elimination with Multiplication

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: $x - y = 10$ and $-5x - 4y = -14$. EASY

**2.** Solve by elimination: $x + y = 8$ and $x + 6y = 28$. EASY

**3.** Solve by elimination: $x - y = 3$ and $4x - 3y = 10$. EASY

**4.** Solve by elimination: $x - 6y = 8$ and $3x + 5y = -22$. MEDIUM

**5.** Solve by elimination: $-6x - 2y = 22$ and $-6x + 6y = 30$. MEDIUM

**6.** Solve by elimination: $x - y = 4$ and $-x + 5y = -12$. MEDIUM

**7.** Solve by elimination: $6x - 2y = -16$ and $-2x - 2y = 8$. MEDIUM

**8.** Solve by elimination: $6x - 6y = -12$ and $-2x + 4y = 12$. HARD

**9.** Solve by elimination: $-6x + 6y = -12$ and $-5x + 2y = -16$. HARD

**10.** Solve by elimination: $-x + 6y = 13$ and $x + 6y = -1$. HARD