

Ex: Solve

(a) $3x + y = 1$
 $-x + 2y = 9$

(b) $3x + 2y = 8$
 $2x - 5y = 18$

(c) $4x - 6y = 8$
 $6x - 9y = 12$

(d) $5x + 15y = 19$
 $3x + 9y = 11$

Ex: A farmer raises corn and soybeans on 350 acres of land. He will plant 100 more acres of corn than soybeans. How many acres of each should he plant?

Ex: A college student earns \$198.50 per week. He works half of the 30-hour week at a fast food chain earning \$5.70 per hour. He earns \$6.30 per hour at a gas station. He earns \$10 per hour doing janitorial work. How many hours per week does he work at each job?

Ex: A Mississippi riverboat can travel 30 kilometers downstream in 3 hours and can make the return trip in 5 hours. Find the speed of the boat in still water.