

Unit 1 – Extra Practice

Worksheet

Solve by GRAPHING

a) $y = x - 1$

$$y = 2x - 5$$

b) $x - y = 1$

$$3x + 2y = -12$$

Solve using SUBSTITUTION

a) $3s + 5t = 2$

$$s + 4t = -4$$

b) $2x + y = 6$

$$3x - 2y = 2$$

Solve using ELIMINATION

a) $3x + 2y = 8$

$$2x + 3y = 7$$

b) $3a + b - 4 = 0$

$$2a - 10 = 3b$$

c) $3p - 6q = 0$

$$4p + q = 3$$

The outdoors club held a car wash to raise money. They washed cars for \$5 each and vans for \$7 each. They washed 45 vehicles and earned \$243. How many of each type of vehicle did they wash?

One type of granola is 30% fruit, and another type is 15% fruit. What mass of each type of granola should be mixed to make 600 g of granola that is 21% fruit?

A plane flew 3000 km from Calgary to Montreal with the wind in 5 hours. The return flight into the wind took 6 hours. Find the wind speed and the speed of the plane.

The total number of states in Austria and Germany is 25. Germany has 7 more states than Austria. Determine the number of states in each country.