Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Block:\_\_\_\_\_\_\_\_\_\_

IB Math Studies

Solve Systems of Equations

1. At Jumbo’s Burger Bar, Jumbo burgers cost $J each and regular cokes cost $C each. Two Jumbo burgers and three regular cokes cost $5.95.

 a) Write an equation to show this.

 b) If one Jumbo Burger costs ₤2.15, what is the cost of one regular coke?

2. Solve the following system of equations by:

$$3x-5y=11$$

$$4x+3y=5$$

1. Graphing



1. Elimination
2. Substitution

3. Solve the following system of equations by:

$$3x-2y=16$$

$$y=2x-10$$

1. Graphing



1. Elimination
2. Substitution