Row Games

What is a Row Game?

A row game is a partnered activity where one student completes the exercises in column A while the partner completes the exercises in column B. In one version of the game, each column has a different question, however, the answers match. Students work on their questions independently and compare answers. If the answers do not match, students must work together to discover and correct the error. In another version of the game, students may be asked to add their individual answers and compare to a sum presented in a third column.

Student A _____	Student B _____
Use the following functions to complete problems 1 and 2. $f(x)=2x+3$ and $g(x)=4-x$	Use the following functions to complete problems 1 and 2. $f(x)=x-6$ and $g(x)=4x+1$
1. $(f+g)(8)$ _____	1. $(f+g)(4)$ _____
2. $(f-g)(2)$ _____	2. $(f-g)(-4)$ _____

The Benefits of a Row Game

Students are held accountable by each other and great discussions can be had when answers don't match and students try to figure out where the problem is.

Row Game Collection

Row games can be nice activities to use in class but take some effort to put together due to finding questions that have the same solution. John Scammell has a start on this and hopefully all the teachers in Alberta enrolled in these demonstration courses can continue this work and build a nice organized resource of row games that may be used in high school mathematics.

The following templates may be useful when building a row game:

- Row Game – Template
- Row Game – Sum Template

Mathematics 10-C

Measurement

- RG – Surface Area (Nowak)
- RG – Volume Word Problems (Nowak)

Trigonometry

- RG – Right Triangle Trigonometry

Linear Equations & Graphs

- RG – Slope (Nowak)
- RG – Slope Intercept Form (Nowak)

Polynomials

- RG – Multiplying Polynomials

Final Review

- RG – Full Year (Scammell)

Mathematics 20-1

- RG – Operations with Radicals

Mathematics 30-1

Relations & Functions

- RG – Function Operations

Exponents & Logs

- RG – Exponential Equations (Scammell)
- RG – Logarithmic Equations

Trigonometry

- RG – Simplifying Trig Exp

Mathematics 30-2

Rational Expressions & Equations

- RG – Rational Equations
- RG – Polynomial Fractions

Counting Methods

- RG – Permutations & Combinations