## Exercise 3: Expressions

1) Translate each expression into python code: (named variables in exercise 3.1.py)

$$2) ((n * (n-1)) / 2)$$

$$5) (y_2 - y_1) / (x_2 - x_1)$$

## Shell results:

35.0

define the numeric value of n; n = 1

0.0

define the value of r (radius); r = 1

12.566370614359172

define the value of r (radius); r = 1

define the numeric value of a; a = 1

define the numeric value of a; a = 1

0.7641028487401795

for the following, not that x2 - x1 can NOT

== 0

define the numeric value of y1; y1 = 1

define the numeric value of y2; y2 = 1

define the numeric value of x1; x1 = 2

define the numeric value of x2; x2 = 1

-0.0

- 2) If operands are negative, I hypothesize that the value's returned would be negative.
- 1) -3
- 2) 2
- 3) -4
- 4) -2
- 5)3