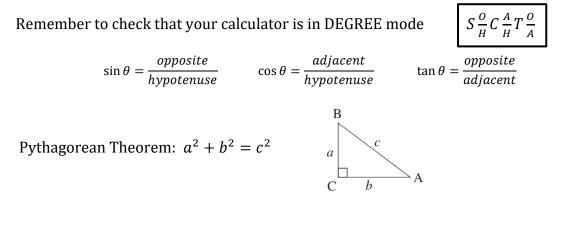
# \* Foundations of Mathematics and Pre-Calculus 10 Formula Sheet

### **Trigonometry (Right Triangles)**



#### **Linear Relations**

The Slope of a Line:

•  $slope = m = \frac{rise}{run} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$ 

The Equation of a Line:

- Slope-Intercept Form: y = mx + b
- Standard Form: Ax + By = C
  Point-Slope Form: y y<sub>1</sub> = m(x x<sub>1</sub>)

## **TURN OVER**

## <u>Finance</u>

<b><u>CPP</u></b> : Gross Pay under \$55 300,	CPP = (gross pay - \$3500) x 0.0495					
Gross Pay \$55 300 and over, CPP = \$2564.10						
<u>EI</u> : Gross Pay under \$51 300,	El =gross pay x 0.0163					
Gross Pay \$51 300 and over,	EI= \$836.19					

Federal Basic Amount and Employment Credit:	\$12 813

**BC Provincial** Basic Personal Amount: \$10 207

**Federal Taxes** = (Gross pay x tax rate) – (tax credits x 0.15)

**Provincial Taxes** = (Gross pay x tax rate) – (tax credits x 0.0506)

Federal Tax		BC Provincial Tax			
2017 Taxable Income	2017 Tax Rates	Maximum amounts	2017 Taxable Income	2017 Tax Rates	Maximum amounts
\$0 - \$45 916	15.0%	\$6887.4	\$0 - \$38 898	5.06%	\$1968.24
Over \$45 916 - \$91 831	20.5%	\$9412.58	Over \$38 898 - \$77 797	7.70%	\$2995.22
Over \$91 831 - \$142 353	26.0%	\$13 135.72	Over \$77 797 - \$89 320	10.50%	\$1209.92
Over \$142 353 - \$202 800	29.0%	\$17 529.63	Over \$89 320 - \$108 460	12.29%	\$2352.31
Over \$202 800	33.0%	No Max	Over \$108 460	14.70%	No Max