






## APPLICATIONS OF MATH 11 HOMEWORK OUTLINE


- Record the date when each section is assigned
- Record a check mark (√) when the homework is complete you must **SHOW YOUR WORK** for all homework assignments

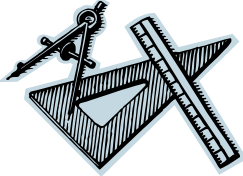
Sec #	Title	Homework	Date	√
	<b>Graphs</b>			
1	Interpreting Graphs and Tables of Data	Worksheet: Interpreting Graphs and Tables of Data		
2	Reading and Drawing Special Bar Graphs	Worksheet: Reading and Drawing Special Bar Graphs Text: Pg14-16 #1,4,5.		
3	Histograms	Worksheet: attached		
4	Line Graphs	Worksheet: attached Text: Pg26-28 #1,3,4,5,6.		
5	Profiles and Contour Maps	Worksheet: attached Text: Pg49-50 #1,2,5,6		
6	Misleading Graphs	Worksheet: attached Text Pg35-36 #2,3,4.		
7	Using Spreadsheets (Excel) to Draw Graphs	Computer Lab: “Graphing with Excel”		
	Graphing Lab	Assignment: Graphing Lab		
	<b>Chapter Test</b>	Review		
	<b>Exponential Functions</b>			
Ch 2	General Formula for Exponential Growth	<b>Lab:</b> Exponential Growth <b>Worksheets:</b> “Growth Equation Using General Formula” and “Growth as a Percent”. <b>Text:</b> Pg 71 # 1		
	Exponential Growth – Regression Equations	<b>Worksheets:</b> “Exponential Regressions” and “Applied Examples of Exponential		

		Equations”. <b>Text:</b> Pg 72 # 3,6,7.		
	Decay Curves	<b>Lab:</b> Radioactive Decay <b>Worksheet:</b> “Radioactivity and the Decay Curve” <b>Text:</b> Pg 73 # 5		
	Radiometric Data	<b>Computer Lab:</b> Radiometric Data Assignment (Excel)		
	<b>PROJECT</b>	<b>WORLD POPULATION</b>		
	<b>CHAPTER TEST</b>	<b>REVIEW</b>		
	<b>Quadratic Functions</b>			
Ch 2	Quadratic Functions	<b>Worksheet:</b> “Quadratic Functions” and “Ch 2 Quadratic Word Problems” <b>Text:</b> Pg 79-80 # 1-5		
	Quadratic “Ball Drop”  Projectiles and Regression Equations	<b>Computer Lab:</b> (Excel/Graph)  <b>Worksheet:</b> “Projectiles” <b>Text:</b> Pg 81 # 6 Pg 90 # 1, 6, 10. <b>Worksheet:</b> “Quadratic Regression Equations” <b>Text:</b> Pg 90 # 2, 9.		
	Maximising Profit	<b>Worksheet:</b> “Ticket Prices” and “Maximising Profits” <b>Text:</b> Pg 90 # 3, 4.		
	Solving Non-Linear Equations	<b>Worksheet:</b> “Non-Linear Equations Part I and Part II” con’t <b>Text:</b> Pg 100 # 1, 6, 7, 8, 10.		
	Trajectories	<b>Lab:</b> Introduction to Trajectories		
	<b>PROJECT</b>	<b>GOLF BALL TRAJECTORIES or BASKETBALL FREE THROW</b>		
	<b>TEST</b>	<b>REVIEW</b>		

	<b>Linear Systems</b>			
	Review of Linear Equations	<b>Worksheet:</b> “Linear Equation Review”		
3.1	Solving Systems by Graphing	<b>Worksheet:</b> “Solving Linear Systems with Graphing Calc” <b>Text:</b> Pg 121 # 1,2,3.		
3.1	Solving Linear Systems Graphically Part II	<b>Lab:</b> Meeting and Greeting <b>Worksheet:</b> “Applied Problems Graphing Linear Systems” <b>Text:</b> Pg 121 # 4, 5, 9.		
3.2	Algebraic Modelling	<b>Worksheet:</b> “Translating Algebraic Exp.” And “Translating Words into Equations” <b>Text:</b> Pg 129 # 1-11.		
3.3	Systems by Substitution	<b>Worksheet:</b> “Substitution Method” <b>Text:</b> Pg 136 # 1ab, 2ab, 3abc, 4, 6, 8.		
3.4	Properties of Linear Systems	<b>Worksheet:</b> “Properties of Linear Systems” <b>Text:</b> Pg 147 # 1-3, 5-7.		
3.5	Solving Systems by Elimination	<b>Worksheet:</b> “Solving Systems of Elimination” and “Applications of Elimination” <b>Text:</b> Pg 153 # 1, 3, 5, 7.		
	Skydiving	<b>Lab:</b> Skydiving		
	<b>PROJECT</b>	<b>SKYDIVING</b>		
	<b>TEST</b>	<b>REVIEW</b>		
	<b><i>Linear Programming</i></b>			
4.1	Graphs of Linear Inequalities	<b>Worksheet:</b> “Graphing Inequalities”		
4.2	Graphing a Linear Inequality in Two Variables	<b>Text:</b> Pg 178-180 # 1, 3aceg, 4, 6, 9.		

4.3	Solution of a System of Linear Inequalities	<b>Worksheet:</b> “Solving Systems of Linear Inequalities” and “Solving Systems of Inequalities with Technology” <b>Text:</b> Pg 187 # 2, 3, 6 (hand) , 5, 9 (Calculator)		
4.4	Modelling a Problem Situation	<b>Text:</b> Pg 195 # 1-4, 7.		
4.5	Optimization Problems	<b>Worksheet:</b> “Optimization Problems” <b>Text:</b> Pg 207 # 2-4.		
	<b>PROJECT</b>	<b>FARM PLANNING</b>		
	<b>TEST</b>	<b>REVIEW</b>		
	<b>Finance</b>			
5.1	Earning a Living	<b>Worksheet:</b> “Earning a Living” <b>Text:</b> Pg 226 # 4, 5, 6, 8, 9.		
5.2	Payroll Deductions	<b>Text:</b> Pg 223 # 4, 5, 8-11.		
5.3	Expenses	<b>Worksheet:</b> “Review of Tutorials 5.1-5.3” <b>Text:</b> Pg 239 # 1, 2, 5, 6.		
5.4	Keeping Track of Your Money	<b>Worksheet:</b> “Keeping Track of Your Money”		
5.5	Interest	<b>Worksheets:</b> “Simple Interest” and “Compound Interest”		
	TVM Solver – Investments	<b>Worksheets:</b> “Investments with the TVM Solver” and “TVM Solver and More Investments” and “Investment Vocabulary”		
	Loans	<b>Worksheet:</b> “Loans: and “More Loans”		
	Buying a Vehicle	<b>Worksheet:</b> “Buying a Vehicle”		
	<b>Assignment</b>	<b>Preparing a Budget</b>		
	<b>TEST</b>	<b>REVIEW</b>		

	<b>Trigonometry/Vectors</b>			
	Right Triangle Trig Review	<b>Worksheets:</b> Review: Right Triangle Trig. Problems Involving More Than One Right Triangle. Trigonometry: Angles of Elevation and Depression		
	Sine Law	<b>Worksheet:</b> Sine Law		
	Cosine Law	<b>Worksheets:</b> Cosine Law. Applications of Sine and Cosine Laws.		
	Introduction to Bearings. Ship Problems and Right Triangles	<b>Worksheets:</b> Introduction to Bearings. Ship Problems and Right Triangles.		
	Ship Problems and Scale Diagrams	<b>Worksheets:</b> Ship Problems and Scale Diagrams. Ship Problems and the Cosine Rule.		
	Introduction to Vectors	<b>Worksheet:</b> Introduction to Vectors		
	Applied Examples of Vectors	<b>Worksheet:</b> Applied Examples of Vectors		
	Components of a Vector	<b>Worksheet:</b> Components of a Vector		
	<b>PROJECT</b>	<b>MATHEMATICS OF WARFARE</b>		
	<b>TEST</b>	<b>REVIEW</b>		

	<b>Geometry</b>			
	Geometry Applications Part I	<b>Worksheet: Same</b>		
	Geometry Applications Part II	<b>Worksheet: Same</b>		
	Geometry Applications Part III	<b>Worksheet: Same</b>		
	Geometry Applications Part IV	<b>Worksheet: Same</b>		
	<b>TEST</b>	<b>REVIEW</b>		
	<b>FINAL EXAM</b>	<b>EXAM REVIEW PACKAGE</b>		

**YOU MADE IT!**

