

Diploma Programme MATH

Algebra Assignments for week 26 to 30 September

Directions: When you report to your first Math class, you must hand in a set of completed worksheets. Feel free to work at your own pace. Do not feel limited to one worksheet per day. The answers are provided; however, students must provide supporting work.

Day 1: Basics

Topics: Order of Operations, Evaluating Expressions, Expression simplification

28 Questions

<http://www.kutasoftware.com/FreeWorksheets/Alg2Worksheets/Algebraic%20and%20Numeric%20Expressions.pdf>

Day 2: Lines

Topics: Graph Sketching, Standard Form, Parallel and Perpendicular

22 Questions

<http://www.kutasoftware.com/FreeWorksheets/Alg2Worksheets/Review%20Linear%20Equations.pdf>

Day 3: Multiple Step Equations

21 Questions

<http://www.kutasoftware.com/FreeWorksheets/Alg2Worksheets/Solving%20MultiStep%20Equations.pdf>

Day 4: Systems of Two Equations

Topics: Graphing, Substitution, Elimination

23 Questions

<http://www.kutasoftware.com/FreeWorksheets/Alg2Worksheets/Systems%20of%20Two%20Equations.pdf>

Additional Resources: Use the links below if you would like video lessons on the above topics.

Topic 1: Order of Operations

http://www.teachertube.com/viewVideo.php?video_id=10544&title=Who_s_Aunt_Sally_Order_of_Operations

Topic 2: Evaluation Expressions

http://teachertube.com/viewVideo.php?video_id=121322&title=Evaluating_Expression&vpkey=

Topic 3: Expression Simplification

http://teachertube.com/viewVideo.php?video_id=28251&title=Combining_Like_Terms

Topic 4: Line Graphing

http://www.teachertube.com/viewVideo.php?video_id=125002

Topic 5: Line Standard Form

http://www.youtube.com/watch?v=-8yM86_1fC4

Topic 6: Parallel and Perpendicular Lines

<http://www.youtube.com/watch?v=Lc3dPkoCOHc&feature=fvw>

<http://www.youtube.com/watch?v=zp94orT2XLs>

Topic 7: Multiple Step Equations

http://www.teachertube.com/viewVideo.php?video_id=52292&title=Watch_Video_on_Multi_Step_Equations_Algebra_Help

Topic 8: Graphing a System of two Equations

(This is simply graphing two lines on the same graph.)

Topic 9: Solving a System of Two Equations using Substitution

http://www.youtube.com/watch?v=cwHR_B9zK7k&feature=fvst

Topic 10: Solving a System of Two Equations using Elimination

<http://www.youtube.com/watch?v=ej25myhYcSg&feature=fvw>