

## MATHEMATICS SKILLS

### Level 6.0 – 8.9 (Pre-GED) LCP E

Student: _____	ID# _____	Entry Date: _____
Institution: _____		Date Achieved: _____
Site: _____		Instructor(s): _____

Instructor's Initials	Date	Standard 5.0
		05.01 Add, subtract, multiply and divide with whole numbers. (MA.A.1.3.1, MA.A.3.3.3)
		05.02 Add, subtract and multiply with common fractions. (MA.A.1.3.1, MA.A.1.3.2, MA.A.3.3.3)
		05.03 Add, subtract, multiply and divide with decimals. (MA.A.1.3.1, MA.A.1.3.2, MA.A.1.3.3)
		05.04 Calculate the solutions of number problems involving percents. (MA.A.1.3.1, MA.A.1.3.4, MA.A.3.3.2)
		05.05 Calculate area, perimeter, volume, capacity, surface area and mass and solve problems involving customary and metric measurements. (MA.B.1.3.2, MA.B.2.3.1, MA.B.2.3.2)
		05.06 Apply beginning principles of algebra including: ratio and proportion, operations with signed numbers, solving one-step algebraic equations, writing one-step equations from word problems, and simple formulas. (MA.D.1.3.1, MA.D.1.3.2, MA.D.2.3.1, MA.D.2.3.2)
		05.07 Collect, organize and display data in tables and graphs, describing any patterns and relationships in the data. (MA.D.1.3.1, MA.D.1.3.2, MA.D.2.3.1, MA.E.1.3.1, MA.E.3.3.1, MA.E.3.3.2)
		05.08 Use measuring tools and other devices such as rulers, protractors, scales, meters and gauges to collect data. (MA.B.1.3.1, MA.B.1.3.2, MA.B.2.3.1, MA.B.2.3.2, MA.C.1.3.1)
		05.09 Plot graph of linear equation, identify the slope, the x and y-intercepts. Identify parallel and perpendicular lines, axes of symmetry, congruent and similar figures. (MA.C.2.3.1, MA.C.2.3.2, MA.C.3.3.1, MA.C.3.3.2, MA.D.2.3.1)
		05.10 Construct and interpret graphs, charts, and tables. (MA.C.3.3.1, MA.C.3.3.2, MA.D.1.3.1, MA.D.1.3.2, MA.E.1.3.1, MA.E.1.3.3, MA.E.3.3.2)
		05.11 Find the mean, median, mode and range of a set of data in a problem situation. (MA.A.3.3.1, MA.A.3.3.2, MA.D.1.3.1, MA.D.1.3.2, MA.E.3.3.1)
		05.12 Explain charts, graphs and tables found in newspapers and magazines. (MA.E.3.3.1, MA.E.3.3.2)
		05.13 Analyze real-world data by applying appropriate formulas for central tendency using appropriate calculator and/or computer technology. (MA.A.3.3.3, MA.E.1.3.3, MA.E.3.3.1)
		05.14 Use a scientific calculator to solve real-world problems. (MA.A.3.3.3, MA.E.1.3.3)
		05.15 Define and show examples of number properties, recognize effects of operations on numbers, , select the appropriate operation for solving a problem, and apply the correct order of operations. (MA.A.3.3.1, MA.A.3.3.2)
		05.16 Use alternative response formats for displaying numerical and graphic solutions in grids and plots. (MA.A.1.3.3, MA.A.1.3.4)
		05.17 Use estimation to predict results of a calculation and check the reasonableness of the solution. (MA.A.4.3.1)
		05.18 Construct scale drawings and interpret diagrams and maps in real-life and workplace situations. (MA.B.1.3.4, MA.B.3.3.1)
		05.19 Develop a personal or business budget. (MA.A.3.3.1, MA.A.3.3.3, MA.B.3.3.1)

		05.20 Calculate the effect of deposits and withdrawals on a checking account balance. (MA.A.3.3.1, MA.A.3.3.2, MA.A.3.3.3)
		05.21 Complete simple tax forms. (MA.A.3.3.1, MA.A.3.3.2, MA.A.3.3.3)
		05.22 Calculate insurance costs and analyze benefits. (MA.E.2.3.1, MA.E.2.3.2, AT.3.1.3.2, AT.3.1.3.3)
		05.23 Calculate investment benefits using simple and compound-interest formulas and appropriate technology. (MA.A.1.3.3, MA.A.2.3.1, MA.A.5.3.1, SS.D.1.3.2, AT.3.1.3.2, AT.3.1.3.3)
		05.24 Select appropriate units and instruments of measurement to achieve the degree of accuracy and precision required in a real-life or workplace situation. (MA.B.4.3.1, MA.B.4.3.2)