**Algebra Survey MAT 121**

**Graduated High School more than 5 Years Ago**

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| Name |  |
| S# |  |
| Date of Birth |  |
| College you are attending |  |
| Date you graduated from high school |  |
| What language do you consider to be your first langauge or the language you speak at home? |  |

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| **Place a checkmark in the column that best describes you.** |
| My overall GPA in high school was | 3.0 to4.0 | 2.5 to 3.0 | 2.0 to 2.5 | Below 2.0 |
| My grades in my math classes were usually | A | B | C | D/F |
| **Check the box that best describes your attitude.** | **Very much like me** | **Sometimes like me** | **Not much like me** | **Not at all like me** |
| I am willing to spend extra time to learn new tasks. |  |  |  |  |
| I enjoy solving problems and puzzles. |  |  |  |  |
| I am willing to put in extra time to be successful in projects.  |  |  |  |  |
| When I do not understand something, I ask for help. |  |  |  |  |
| I am on time for appointments. |  |  |  |  |
| I like learning new things. |  |  |  |  |
| **Check the box that best describes your use of math skills at work and in your daily life.** | **Almost everyday** | **At least once a week** | **At least once a month** | **Rarely/ Never** |
| I calculate prices, costs, or budgets. |  |  |  |  |
| I use fractions, decimals or percentages. |  |  |  |  |
| I use a calculator. |  |  |  |  |
| I prepare charts, graphs, or tables. |  |  |  |  |
| I use simple algebra or formulas. |  |  |  |  |
| I use calculus, complex algebra, or trigonometry. |  |  |  |  |
| **I am confident that I can do the following:** | **By myself** | **With some help** | **Maybe** | **No** |
| I know how to evaluate this expression by following order of operations$$\frac{1}{2}÷\frac{7}{8}+\frac{1}{7}⋅\frac{2}{3}$$

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| I know how to find the product and simplify:$$\frac{x^{2}-25}{x^{2}-3x-10}⋅\frac{x+2}{x-5}$$ |  |  |  |  |
| I know how to use the formula $F=kAv^{2}$ to find the force exerted on a plane’s wing during take-off if the area of the wing is 100 ft2, $k=5/4$, and $v=90$ mph. |  |  |  |  |
| I know how to solve the equation $$\frac{11}{2x}+\frac{2}{3}=\frac{7}{2x}$$ |  |  |  |  |
| I know how to simplify the radical$$-2\sqrt{-108}$$ |  |  |  |  |
| I know how to factor the expression$$12x^{2}+5x-3$$ |  |  |  |  |
| I know how to graph the equation$$-3x+6y=-6$$ |  |  |  |  |