

## Are you ready for MTH 154, MTH 155, or Algebra?

*The purpose of this review is to verify your readiness for these math courses.*

**You do NOT need to solve these problems. Simply review them and answer the three questions below.**

- *Do these math problems below look familiar to you?*
- *Have you learned these types of problems in prior math classes?*
- *If you reviewed this material, would you be able to solve most of these problems?*

1. Simplify the following expressions

a.  $\frac{-6+(-2)}{-3+1}$

b.  $(-2)^3 + (-3)(2)$

c.  $9\frac{1}{4} - 2\frac{2}{3}$

2. Answer the following problems involving percents

a. What is 40% of 380?

b. What percent of 80 is 72?

c. Convert 0.3 to a percent.

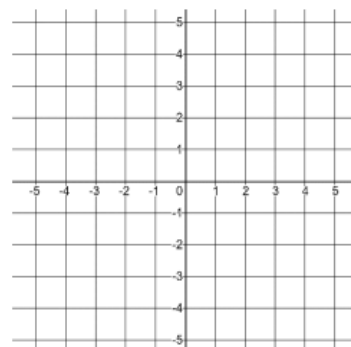
3. Solve each equation.

a.  $2x + 6 = 5$

b.  $3x = 6$

c.  $3(x - 5) = 4$

4. Plot the point  $(-3, 4)$  on the coordinate plane below.



5. Write the following numbers in scientific notation.

a. 0.00345

b. 324,567,000

6. Write the following scientific numbers in standard notation.

a.  $1.23 \times 10^5$

b.  $3.67 \times 10^{-4}$

### COURSE RECOMMENDATIONS BASED ON QUESTIONS ABOVE

**General Course Placement Recommendations:**

- If you answered “yes” to at least 2 of the above questions, you should consider enrolling in **MTH 154 or MTH 155**.
- If you answered “yes” to 1 of the above questions, you should consider enrolling in **MTH 154 + MDE 54 or MTH 155 + MDE 55**.
- If you answered “no” to all 3 of the above questions, you should consider enrolling in **MDE 10**.

**STEM Pathway Course Placement Recommendations:** (if you answered “no” to all 3 questions of the “Are you ready for MTH 161?” guide)

- If you answered “yes” to at least 2 of the above questions, you should consider enrolling in **MDE 60**.
- If you answered “yes” to 1 of the above questions, see advisor for assistance.
- If you answered “no” to all 3 of the above questions, you should consider enrolling in **MDE 10**.