

# Are you ready for MTH 154 or Algebra ?

The purpose of this review is to verify your readiness 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.  $9\frac{1}{4} - 2\frac{2}{3}$

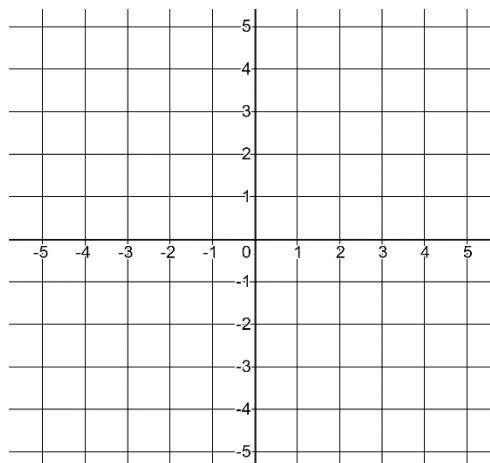
2. Answer the following problems involving percents

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

## GENERAL COURSE PLACEMENT RECOMMENDATIONS

- If you answered yes to at least two of the above questions, you should consider enrolling in MTH 154.
- If you answered yes to one of the above questions, you should consider enrolling in MTH 154 with the co-requisite course MDE 54.
- If you answered no to all three questions, you should consider enrolling in MDE 10

## STEM and BUSINESS PATHWAY COURSE PLACEMENT RECOMMENDATIONS (for students who need precalculus and higher)

- If you reviewed these questions after reviewing the MTH 161 questions and you answered yes to at least two of the above questions, you should consider enrolling in MDE 60.
- If you reviewed these questions after reviewing the MTH 161 questions and you answered no to all three questions, you should consider enrolling in MDE 10.

**HAVE QUESTIONS OR NEED HELP ENROLLING IN YOUR CLASSES?**

***We are here to help!***

Contact an advisor at [virtualadvising@nvcc.edu](mailto:virtualadvising@nvcc.edu)  
or visit <https://www.nvcc.edu/advising/supports/index.html>