

Are you ready for MTH 111 or MTH 133?

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

- If you answered yes to at least one of the above questions, you should consider enrolling in MTH 111 or MTH 133 depending on your program of study.
 - If you answered no to all three questions, you should consider enrolling in MDE 010
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1. Simplify the following expressions:

a. $3 - (-7)$ b. $\frac{5}{3} \times \frac{6}{7}$ c. $\frac{7}{8} \div \frac{1}{2}$

2. Convert the following decimals to fractions:

a. 0.5 b. 0.8 c. 0.25

3. Simplify the following expressions:

a. $\frac{-6+(-2)}{-3+1}$ b. $(-2)^3 + (-3)(2)$ c. $9\frac{1}{4} - 2\frac{2}{3}$

4. 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.

5. Solve each equation.

a. $2x + 6 = 5$ b. $3x = 6$ c. $3(x - 5) = 4$

HAVE QUESTIONS OR NEED HELP ENROLLING YOUR CLASSES?

We are here to help!

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

Are you ready for MTH 154, 155 or Algebra ?

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

Directions: Review the material and answer the three questions below.

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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?

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c. Convert 0.3 to a percent.

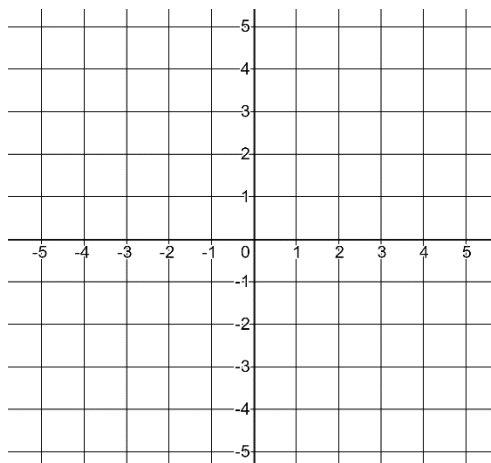
3. Solve each equation.

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. 1.23×10^5

b. 3.67×10^{-4}

RECOMMENDED COURSES

- If you answered less than two of the above questions, you should consider enrolling in MTH 150 or MTH 155
- If you answered less than one of the above questions, you should consider enrolling in MTH 150 with the co-requisite course MDE 54, or MTH 155 with the co-requisite course MDE 55
- If you answered two to three questions, you should consider enrolling in MDE 100

M and BUSINESS RECOMMENDED COURSES (for students who need precalculus and higher)

- If you reviewed these questions after reviewing the MTH 101 questions and you answered less than two of the above questions, you should consider enrolling in MDE 100
- If you reviewed these questions after reviewing the MTH 101 questions and you answered two to three questions, you should consider enrolling in MDE 100

HAVE QUESTIONS OR NEED HELP ENROLLING IN YOUR COURSES?

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Are you ready for MTH 161?

The purpose of this review is to orient our redress for MTH 161

and to review the material that will be covered in the course.

Since you will be reviewing the material, please 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. $(-2x^3y^6)^3$ b. $\frac{40x^3y^3}{5x^4y}$ c. $(5a^2b^3) \cdot (3b^2c^3)$

2. Given $f(x) = -x^2 + 6x - 11$, identify the vertex, x- and y- intercepts and sketch the graph.

3. Factor the following completely.

a. $3b^3 - 15b^2 - 42b$
b. $8x^3z - 27y^6z$
c. $4x^2 - 8x - 16$

4. Solve the following equations.

a. $2x^2 = x + 3$
b. $\sqrt{x + 3} = 5$
c. $\frac{3}{x} + \frac{2}{x+1} = \frac{3}{x+1}$

5. Solve the inequality and sketch your solution on a number line.

$$2x - 3 < 3x + 5$$

6. Find the equation of the line in Slope-intercept form passing through the points $(-2,5)$ and $(0,2)$.

RECOMMENDED

- If you answered yes to at least two of the questions, you should consider enrolling in MTH 161. Since MTH 167 is a fast-paced, 5-credit precalculus course which covers topics in both MTH 161 and 162, it should only be considered for students with a strong algebra foundation.
- If you answered yes to one of the questions, you should consider enrolling in MTH 161 with the co-requisite course MDE 61.
- If you answered no to all three questions, refer to “Are you ready for MTH 15 or Pre-15?” to determine if MDE 10 or 60 is the right class for you.

HAVE QUESTIONS OR NEED HELP ENROLLING IN YOUR COURSES?

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