

## What is MATH 113?

MATH 113 is a math course that is appropriate for students in many applied technology fields. The course includes a review of number concepts and operations, measurement and data-handling, algebraic expressions, systems of equations, and trigonometry.

## What's the difference between MATH 113 and 113S?

MATH 113 (without the "S") is the main college level class. The "S" denotes supplement. Any section with the "S" is a supplemental class. Student can enroll in only MATH 113. Students cannot enroll in only MATH 113S. All supplement sections must be taken concurrently with the main college level course.

There are only two options: either MATH 113 or MATH 113 + MATH 113S.

## What is a supplemental class?

A supplemental math course is designed to provide support to students who are apprehensive about, unsure of, or uncomfortable with their math skills. Supplemental course sections offer 2 additional hours per week of course specific practice. If you like the idea of extra practice, guidance and feedback on course materials; or want to create more time & space for math practice, consider enrolling.

## I need MATH 113. Should I also enroll in MATH 113s?

So, you've learned that you need or want to take MATH 113. This is a brief assessment to help you decide if you should also take the supplement class, MATH 113S, concurrently with your MATH 113 class. It's also a good idea to talk with an advisor before making your decision.

- If you feel confident you could correctly answer 4, 5 or all 6 of these questions, then enroll in only MATH 113.
- If you feel less confident or think you could only answer 0, 1, 2, or 3 questions correctly, then enroll in MATH 113 and MATH 113S.

1. Can you use the order of operations to evaluate each expression?
  - a.  $3(5 - 1)^2 + 12$
  - b.  $9 \cdot 5 - 3 \cdot 2$
  - c.  $\frac{67-7}{8 \cdot 3 - 2 \cdot 2}$
  
2. Can you round each of these numbers to the indicated place?
  - a. 13.12729 to the hundredths place
  - b. 4,381.31 to the tens place
  - c. 60.1195 to the tenths place
  
3. Can you graph  $y = 2x - 4$  on the coordinate plane?
  
4. Can you solve each of these equations for  $x$ ?
  - a.  $3.8x + 1 = 5.4x - 2.2$
  - b.  $4(2x - 9) - 6 = 3x - 2$
  
5. Can you do each of the following conversions?
  - a. Convert 51 inches to feet.
  - b. Convert 12.3 meters to centimeters.
  - c. Convert 45.0 square feet to square inches.
  
6. Can you use geometric formulas to do the following calculations?
  - a. Using the formula  $V = \pi r^2 h$ , find the volume of a cylinder with a radius of 124 meters and height of 232 meters.
  - b. Using the formula  $P = 2L + 2W$ , find the perimeter of a rectangle with a length of 3.2 inches and width of 1.9 inches.