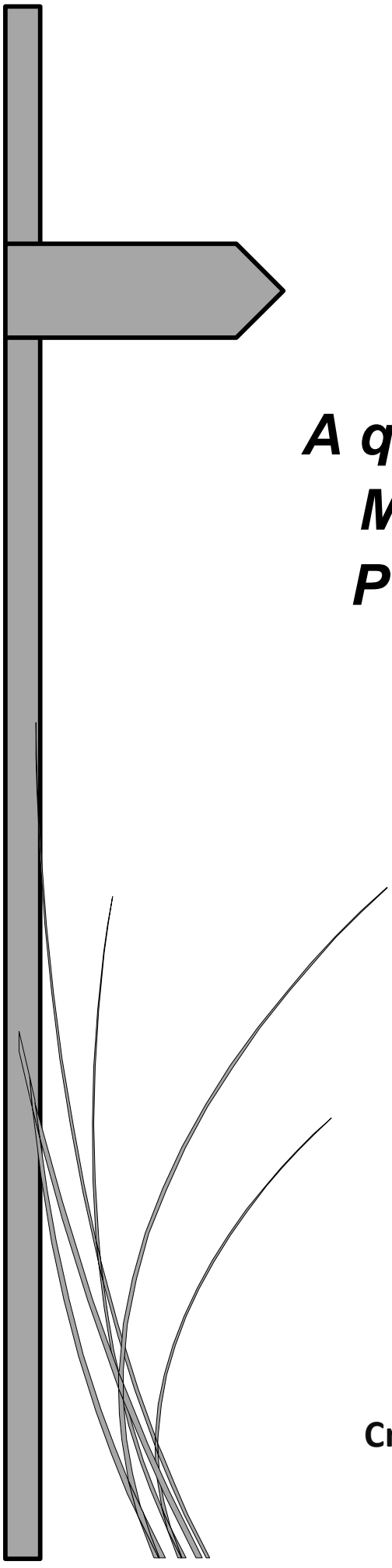


PSAT Math Formulas

A quick review and a list of Mathematics Formulas PSAT Math Test Takers Must Know!

Created by: Effortless Math Education

WWW.EFFORTLESSMATH.COM

Preparing for the PSAT Math test?

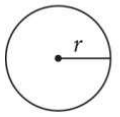
First and foremost, you should understand that the PSAT® Math test contains a formula sheet, which displays formulas relating to geometric measurement and certain algebra concepts. Formulas are provided to test-takers so that they may focus on application, rather than the memorization, of formulas. However, the test does not provide a list of all basic formulas that will be required to know for the test. This means that you will need to be able to recall many math formulas on the PSAT test.

Below you will find the 2019 PSAT® Mathematics Formula Sheet followed by a complete list of all Math formulas you MUST have learned before test day, as well as some explanations for how to use them and what they mean. Keep this list around for a quick reminder when you forget one of the formulas.

Review them all, then take a look at the math topics to begin applying them!

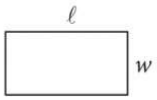
Good luck!

PSAT Math Reference Sheet

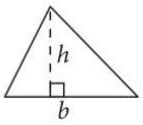


$A = \pi r^2$

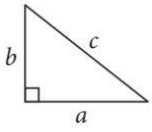
$C = 2\pi r$



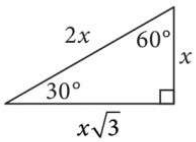
$A = \ell w$

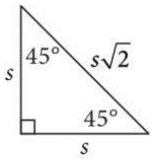


$A = \frac{1}{2}bh$

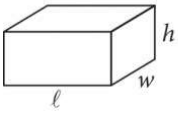


$c^2 = a^2 + b^2$

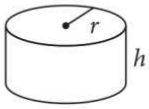




Special Right Triangles



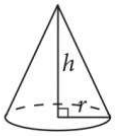
$V = \ell wh$



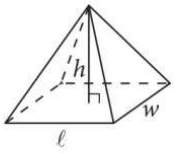
$V = \pi r^2 h$



$V = \frac{4}{3}\pi r^3$



$V = \frac{1}{3}\pi r^2 h$



$V = \frac{1}{3}\ell wh$

The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π.

The sum of the measures in degrees of the angles of a triangle is 180.