

WWPMT

Mathematical Conventions

- **Fractions:**

- All fractions must be simplified. All fractional answers must be expressed in the form a/b where a and b share no common factors other than 1. For example, if the answer is $9/5$, then either $1\frac{4}{5}$ (mixed number) or $18/10$ is not acceptable.
- Questions asking for probability should have their answers expressed using fractions. For example, $\frac{1}{2}$ would be an acceptable answer, but 0.5, 50%, and 1:2 would not be acceptable.

- **π (Pi):**

- Any question that involves the number π (π) in the answer must be written using the symbol π . Decimal approximations are not acceptable.

- **Radicals:**

- All radicals must be simplified. The following are **not acceptable**:
- Radicals in the denominator of a final answer.
- A perfect square under a square root, a perfect cube under a cube root, etc. For example, $\sqrt{63}$ CANNOT be a final answer. It must be written as $3\sqrt{7}$ because 63 contains the perfect square 9.
- No fractions/decimals can be inside a radical. For example, $\sqrt{(7/3)}$ CANNOT be a final answer. It must be written as $(\sqrt{21})/3$.

- **Money:**

- Unless the answer is an integer, all money answers should be written in decimal format, rounded to nearest hundredth (cent). For example, \$1.00, \$1, and \$17.29 are all acceptable answers, but \$3.142 is not.

- **Other formatting rules:**

- Units of measurement are not required for answers, but if given they must be correct.
- If an answer is not legible, then it will be marked incorrect.

Contact team@wwpmt.org if you have any questions about our Mathematical Conventions.