

1. _____

2. _____

3. _____

4. _____

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6. _____

7. _____

8. _____

9. Let $ABC \dots YZ$ be a regular 26-sided polygon. Compute the degree measure of $\angle MCU$, expressing your answer as a common fraction.

10. In triangle ABC , if $\angle C = 120^\circ$, it is known that

$$(AB)^2 = (AC)^2 + (BC)^2 + (AC) \cdot (BC).$$

If $AB = 7$ and $AC = 3$, then what is the sum of all possible lengths of BC ?

1. (2013 School Sprint #3) 45°
2. (2013 Chapter Countdown) 7
3. 72°
4. 1800°
5. 86° and 67°
6. 110°
7. 115°
8. (2014 Chapter Countdown) 130°
9. $(1440/13)^\circ$
10. 5