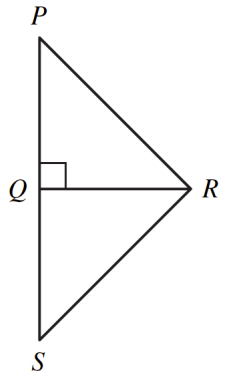
Points, Lines, Planes, and Angles
MCAS Worksheet 1

Name _____

1 In ΔPRS below, $m\angle QPR = 42°$. $\overline{QR}$ is a perpendicular bisector of $\overline{PS}$.

Mark your answer here: 1. Ⓐ Ⓑ Ⓒ Ⓓ



What is $m\angle SRP$?

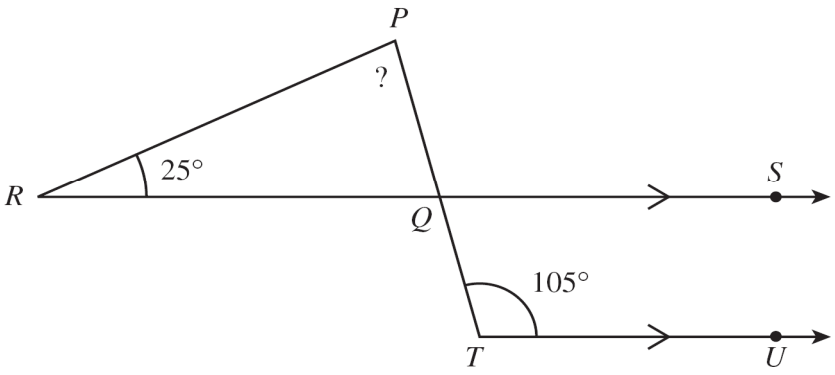
A. 48°

B. 84°

C. 90°

D. 96°

2 In the figure shown below, $\overrightarrow{RS}$ is parallel to $\overrightarrow{TU}$, and $\overline{PT}$ intersects $\overrightarrow{RS}$ at Q.



What is the measure of $\angle RPQ$?

Write your answer here:

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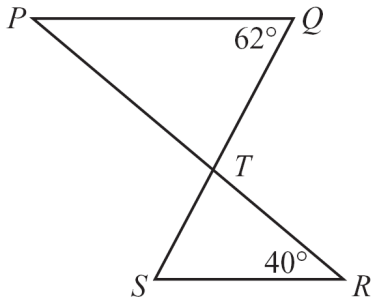
3 In the figure below, $\overline{PQ} \parallel \overline{SR}$, and $\overline{PR}$ and $\overline{QS}$ intersect at point T.

Mark your answer here: 3. Ⓐ Ⓑ Ⓒ Ⓓ

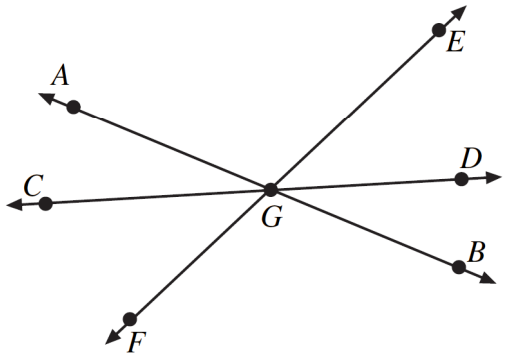


Based on the angle measures in the figure, what is the measure of $\angle STR$?

A. 62°
B. 78°
C. 102°
D. 118°

4 Coplanar lines $\overleftrightarrow{AB}$, $\overleftrightarrow{CD}$, and $\overleftrightarrow{EF}$ intersect at point G as shown in the figure below.

- The measure of $\angle EGB$ is 75°.
- The measure of $\angle AGC$ is 30°.



What is the measure of $\angle EGD$?

Write your answer here: