

PRELIMINARY MATHEMATICS

SINE AND COSINE RULES PUZZLE

COURSE/LEVEL

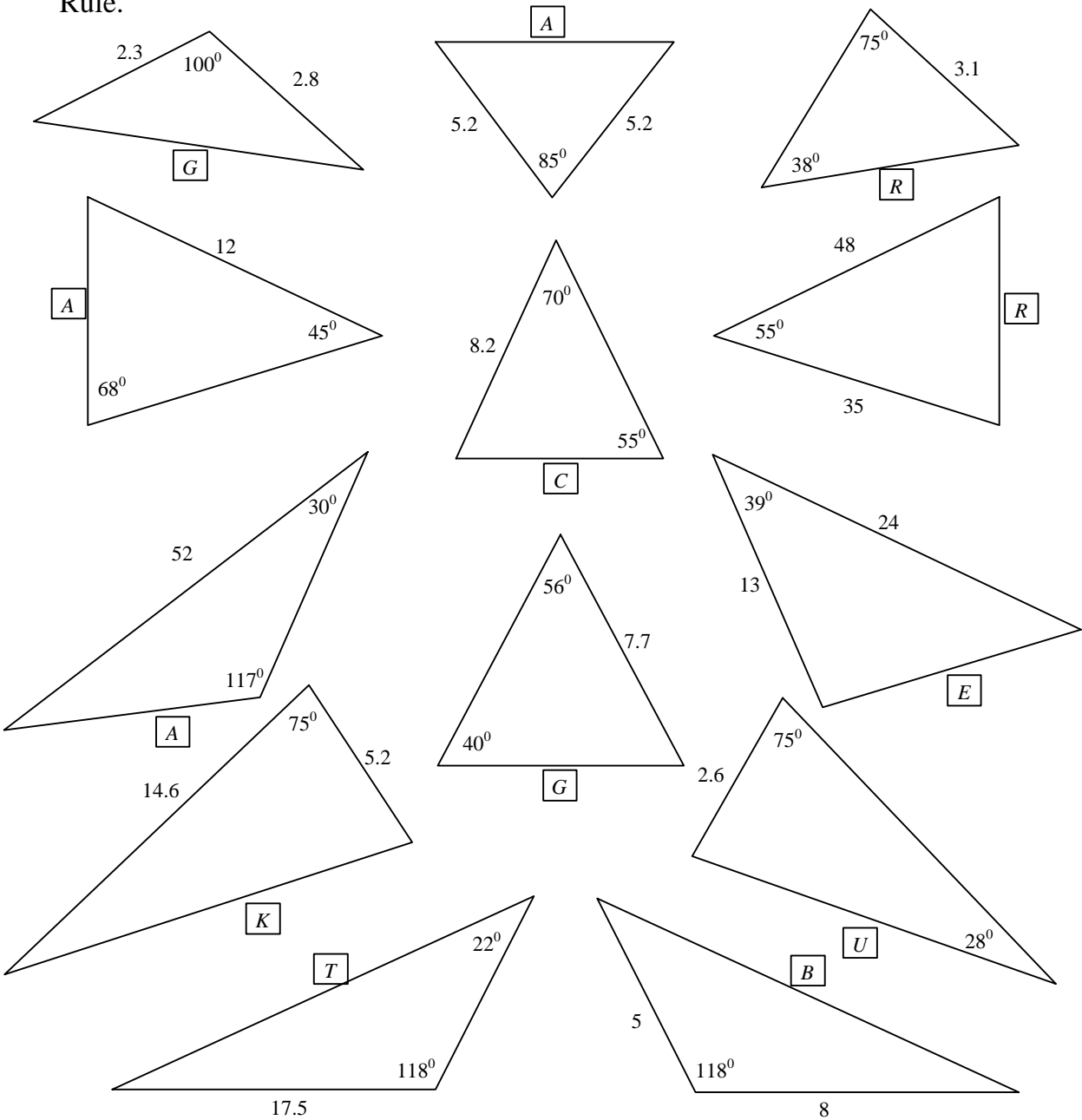
NSW Secondary High School Year 11 Preliminary Mathematics.

TOPIC

Trigonometric Ratios: Sine and Cosine Rules for a Triangle. (Syllabus Ref: 5.5)

What has four wheels and flies?

Step 1 Find the area of these triangles, correct to 1 decimal place. Use either the Sine or Cosine Rule.



Step 2 Write the letter corresponding to each answer in the spaces below.

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|-----|-----|-----|------|------|------|-----|------|------|-----|-----|-----|------|--|--|
| | | | | | | | | | | | | | | |
| 9.2 | 9.9 | 7.0 | 40.0 | 11.2 | 29.2 | 3.9 | 16.1 | 41.2 | 4.9 | 5.3 | 9.4 | 14.2 | | |