Read and use angle facts

Stage 02 | Interpret | 8 mixed items

Stage 02: Interpret the given relation

Interpret

Show your working or construction on paper. State units where asked. For questions 7 and 8, explain your method. Numerical entries may be rounded to 2 decimal places.

Name: _____ Date: _____

Work on separate paper. Plot and label figures; retain compass arcs. Give a reason for items 7 and 8.

1. An angle of 72.5° and angle b form a straight line. Which equation represents the condition?

2. An angle of 110° and angle b form a straight line. Which equation represents the condition?

3. An angle of 125° and angle b form a straight line. Which equation represents the condition?

4. An angle of 137.5° and angle b form a straight line. Which equation represents the condition?

5. In ∠ABC, which letter names the vertex?

6. In ∠PQR, which letter names the vertex?

7. Diagnose an error. An angle of 72.5° and angle b form a straight line. Which equation represents the condition? A learner answers “b = 180”. Give the correct answer and identify why the proposed answer fails.

8. Explain your choice. An angle of 110° and angle b form a straight line. Which equation represents the condition?

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Self-check after attempting: use the separate answer key on the skill page. Correct reasoning and a valid drawing matter as well as the final answer.