Practice worksheet | Congruence and similarity

Congruent shapes and matching parts

Name: _____ Date: _____

6 questions | 11 marks

1. If $\triangle ABC \cong \triangle DEF$, name the angle corresponding to angle B. [1 mark]

2. If $\triangle ABC \cong \triangle PQR$, name the side corresponding to AC. [1 mark]

3. Given $\triangle ABC \cong \triangle XYZ$ and BC = 9 cm, find YZ. [2 marks]

4. Two congruent triangles have corresponding angle measures $3x$ degrees and 72°. Find x. [2 marks]

5. Given $\triangle DEF \cong \triangle LMN$, angle D = 42° and angle E = 78°. Find angle N. [3 marks]

6. A shape is reflected in a mirror line. Explain why its image is congruent to the original. [2 marks]