Practice worksheet | Practical trigonometry

Right-triangle geometry

Name: _____ Date: _____

6 questions | 14 marks

1. Triangle PQR has $Q = 90^\circ$. Which side is the hypotenuse? [2 marks]

2. In right triangle ABC, $B = 90^\circ$ and $A = 41^\circ$. Find C. [2 marks]

3. Triangle XYZ has $Z = 90^\circ$. Relative to angle X, name the opposite leg and adjacent leg. [2 marks]

4. In the previous triangle, choose Y instead. Which leg is now opposite? [2 marks]

5. Could a right triangle have another angle of 94°? Explain. [3 marks]

6. A right triangle is drawn upside down. A student calls its shortest side the hypotenuse. Explain the correction. [3 marks]