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| **Key Concepts** | **Notes** |
| **Right Triangles** |  |
| **Hypotenuse-Leg (HL) Theorem** | If the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_\_ of one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ triangle are congruent to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and a \_\_\_\_\_\_\_\_\_ of another \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ triangle, then the triangles are \_\_\_\_\_\_\_\_\_\_\_\_. |
| **Conditions for HL** |    |
| **Problem 1** |  |
| **Problem 2** |  |
| **Problem 3** | For what values of *x* and *y* are the triangles congruent by HL? |

APPLICATION



**5.** For what values of *x* and *y* are the triangles congruent by HL?

COMPREHENSION

**6. 7.**