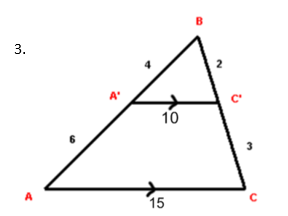
**Homework 4.6 – Similarity Shortcuts Day 2** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Determine if the triangles are similar. Show all your work to support the postulate or theorem you choose. Write a similarity statement if they are similar or “Not Similar” if they’re not.**



**B**

**A**

**A’**

**C**

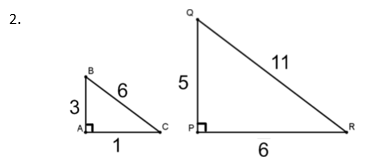
**C’**

**6**

**3**

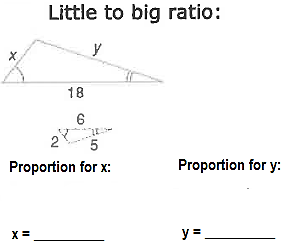
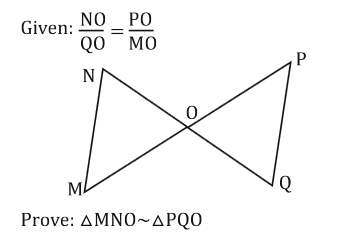
**2**

**4**



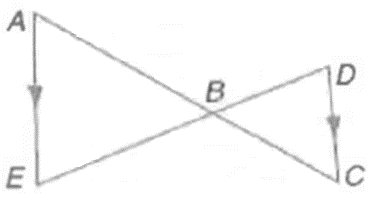
1. 2.

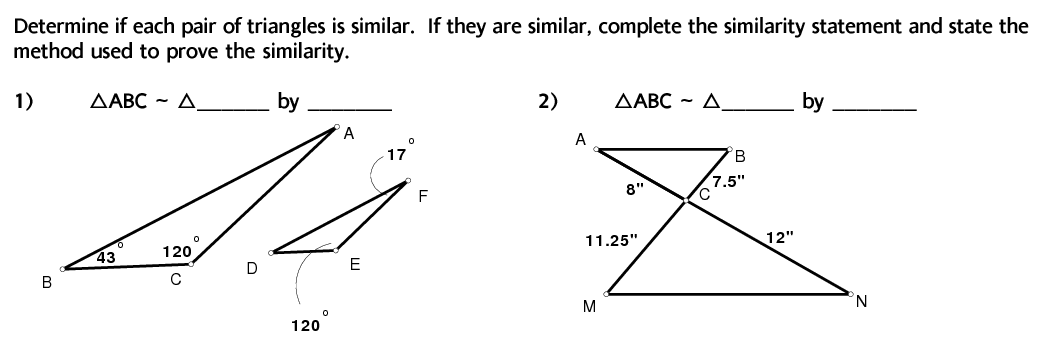
3. **Show your work.** 4. **Write the similarity proof.**



|  |  |
| --- | --- |
| **Statement** | **Reason** |
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |

5. **Prove:** 6. **Are the triangles similar?** **If not, write “not similar”.**





1.

2.

3.

4.

**Statements**

**Reasons**

1. Given

2.

3.

4.