**The Invisible Radar Triangle Quiz**

1. How can you determine if the triangles shown below are similar? Express your answer using complete sentences.

X

Y

Z

K

L

M

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1. Which triangle is similar to triangle A? Circle one: B C D

**C**

**A**

**B**

6

8

8

1.5

1.5

1.5

3

4

4

**D**

4

3

5

1. Looking at the two rectangles below, which method could be used to prove that the rectangles are similar?

4.2

10

6

7

1. Compare the ratios 6 to 10 and 7 to 4.2 and see if they are equivalent.
2. Compare the ratios 6 to 10 and 4.2 to 7 and see if they are equivalent.
3. Answers A and B are correct.
4. Nothing needs to be done since all rectangles are similar.
5. What are similar figures?
6. What is a scale model?
7. How are triangles used in radar imaging?