

Geometry

Triangle Inequality Practice #1

PART I: IS IT A TRIANGLE?

Determine if the given measures can form a triangle.

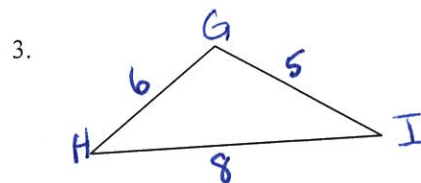
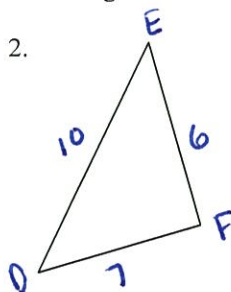
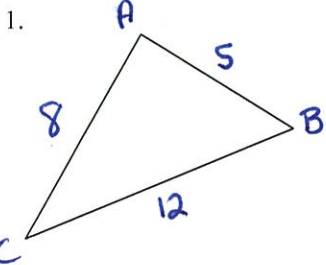
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|------------|------------|-------------|--------------|
| 1. 2, 5, 4 | 2. 3, 3, 6 | 3. 4, 8, 10 | 4. 12, 15, 7 |
| 5. 3, 7, 9 | 6. 7, 7, 7 | 7. 6, 6, 12 | 8. 3, 4, 5 |

Given two side measures of a triangle, determine the what two numbers the third side must be between.

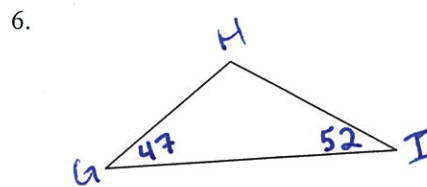
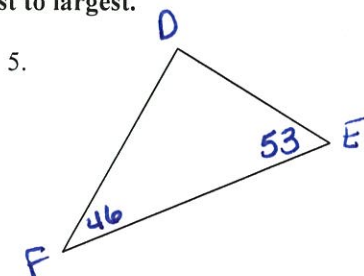
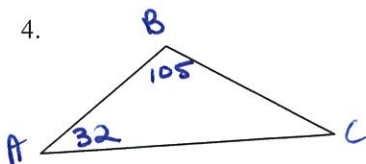
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|--------------|-----------------|------------------|-----------------|
| 9. 7 and 12 | 10. 13 and 5 | 11. 16 and 3 | 12. 14 and 20 |
| 13. 8 and 15 | 14. 3.6 and 7.8 | 15. 8.7 and 12.4 | 16. 2.7 and 8.9 |

PART II: DETERMINING BIG AND SMALL

List the measure of each angle from smallest to largest.



List the measure of each side from smallest to largest.



Part III : Solving Inequalities

