### Directions: Solve each problem and use a pencil to DRAW the object that corresponds with your answer on the face.

1. List the sides from longest to shortest.
   - Triangle A
   - Side lengths: 30°, 60°, 90°
   - (a) If your answer is $AB, BC, AC$ draw the following helmet on the head.
   - (b) If your answer is $AC, AB, BC$ draw the following helmet on the head.

2. List the sides from longest to shortest.
   - Triangle B
   - Side angles: 35°, 120°, 25°
   - (a) If your answer is $BC, AC, AB$ write the number 17 on the helmet.
   - (b) If your answer is $AC, BC, AB$ write the number 2 on the helmet.

3. List the sides from longest to shortest.
   - Triangle C
   - Side angles: 70°, 36°, 74°
   - (a) If your answer is $BC, AB, AC$ draw the following mouth.
   - (b) If your answer is $AB, AC, BC$ draw the following mouth.

4. List the sides from longest to shortest.
   - Triangle B
   - Side angles: 70°, 50°, 60°
   - (a) If your answer is $BC, AB, AC$ draw the following nose.
   - (b) If your answer is $AC, AB, BC$ draw the following nose.

5. List the sides from longest to shortest.
   - Triangle B
   - Side angles: 65°, 45°, 70°
   - (a) If your answer is $AB, BC, AC$ draw the following label on the shirt.
   - (b) If your answer is $BC, AB, AC$ draw the following label on the shirt.

6. List the sides from longest to shortest.
   - Triangle B
   - Side angles: 100°, 50°, 30°
   - (a) If your answer is $AB, BC, AC$ draw the following lines on the shirt.
   - (b) If your answer is $BC, AC, AB$ draw the following lines on the shirt.

7. List the sides from longest to shortest.
   - Triangle B
   - Side angles: 35°, 45°, 80°
   - (a) If your answer is $AB, BC, AC$ draw a straight road and full stands in the background.
   - (b) If your answer is $BC, AC, AB$ draw a curved road and full stands in the background.

8. List the angles from largest to smallest.
   - Triangle A
   - Angles: 11°, 10°, 15°
   - (a) If your answer is $\angle B, \angle A, \angle C$ draw the front of a car on the road.
   - (b) If your answer is $\angle B, \angle C, \angle A$ draw the back of a car on the road.

9. List the angles from largest to smallest.
   - Triangle B
   - Angles: 16°, 10°, 5°
   - (a) If your answer is $\angle C, \angle B, \angle A$ write the number 17 on the car.
   - (b) If your answer is $\angle B, \angle C, \angle A$ write the number 2 on the car.

10. List the angles from largest to smallest.
    - Triangle A
    - Angles: 15°, 10°, 7°
    - (a) If your answer is $\angle A, \angle C, \angle B$ draw tufts of grass below the road.
    - (b) If your answer is $\angle A, \angle B, \angle C$ draw bushes in the background.

11. List the angles from largest to smallest.
    - Triangle B
    - Angles: 4°, 5°, 3°
    - (a) If your answer is $\angle C, \angle A, \angle B$ draw this flag in the background.
    - (b) If your answer is $\angle A, \angle B, \angle C$ draw this flag in the background.

12. List the angles from largest to smallest.
    - Triangle A
    - Angles: 5°, 12°, 13°
    - (a) If your answer is $\angle A, \angle C, \angle B$ write these words in the background.
    - (b) If your answer is $\angle A, \angle B, \angle C$ write these words in the background.
Directions: Solve each problem and COLOR the object that corresponds with your answer.

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<th>Problem Description</th>
<th>Solution</th>
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<td>List the angles from largest to smallest.</td>
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<tr>
<td>14.</td>
<td>List the angles from largest to smallest.</td>
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<tr>
<td>15.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>3, 4, 5</td>
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<tr>
<td>16.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>5, 5, 10</td>
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<tr>
<td>17.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>6, 7, 15</td>
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<td>18.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>5, 7, 11</td>
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<td>19.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>12, 24, 40</td>
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<td>20.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>10, 17, 25</td>
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<td>21.</td>
<td>Determine whether the following are possible lengths of the sides of a triangle.</td>
<td>5, 12, 13</td>
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<td>22.</td>
<td>Two sides of a triangle are given. Between which two numbers must the third side be?</td>
<td>2, 5</td>
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<td>7, 12</td>
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<td>24.</td>
<td>Two sides of a triangle are given. Between which two numbers must the third side be?</td>
<td>10, 20</td>
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<td>25.</td>
<td>Two sides of a triangle are given. Between which two numbers must the third side be?</td>
<td>6, 11</td>
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<tr>
<td>26.</td>
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<td>23, 37</td>
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<td>27.</td>
<td>Two sides of a triangle are given. Between which two numbers must the third side be?</td>
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