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|  | FIGURES TO COMPARE | SHAPE AND SIZE  NOTES | CORRESPONDING  SIDES NOTES | CORRESPONDING  ANGLES NOTES |
| 1 | A and B | Both square but A is smaller than B | All corresponding sides are doubled, ratio 1/2 | All corresponding angles are the same, all 90 |
| 2 | C and D | Both C and D are right triangles, D is larger | All corresponding sides are doubled ratio 1/2 | All corresponding angles appear the same |
| 3 | E and F | E and F are rectangles and are the same size | All pairs of corresponding sides are equal in length | All corresponding angles are equal, all 90 |
| 4 | G and H | G and H are same shape of trapezoid, H is larger | All pairs of corresponding sides are triple, ratio 1/3 | All corresponding angles appear to be equal |
| 5 | I and J | I and J are both triangles, I looks wider | Corresponding sides shrink at different ratios | All corresponding angles look close, not equal |
| 6 | K and L | K and L are octagons of the same size | Corresponding sides are all equal in length | All corresponding angles appear the same |
| 7 | M and N | M and N are unequally sized parallelograms | Corresponding sides grow at different ratio | All corresponding angles look close, not equal |

***Write a specific comparison statement for each pair using your notes from above:***

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| 1. A and B are squares that look alike but are different in size. B looks like an enlarged image of A. The corresponding sides all have a ratio of 4/8 = 1/2. All of the pairs of corresponding angles are equal at 90◦. SIMILAR FIGURES |
| 1. C and D are right triangles that look alike but are different in size. D looks like an enlarged image of C. The corresponding sides appear to have different ratios but the two we counted reduce to 1/2. One pair of corresponding angles are equal at 90◦, the other pairs appear equal. SIMILAR FIGURES |
| 1. E and F look alike and are the same size. All pairs of corresponding sides and angles are equal because they are the same shape and size. CONGRUENT FIGURES |
| 1. G and H are trapezoids. H looks like an enlarged image of G. The corresponding sides we could count have ratios of 2/6 and 4/12 which both reduce to 1/3. The pairs of corresponding angles appear to be the same size. SIMILAR FIGURES |
| 1. I and J are triangles that do not look alike. Triangle I seems too short or too wide. The corresponding bases and heights have different ratios 6/3 = 2/1 and 5/4. The pairs of corresponding angles look close to the same, but are not equal. NEITHER |
| 1. K and L are octagons that look identical in shape and size. All the pairs of corresponding sides have a ratio of 2/2 = 1. All pairs of corresponding angles appear to be congruent. CONGRUENT FIGURES |
| 1. M and N are parallelograms that do not seem to be images of each other even though they are close to the same shape. N is larger than M. The corresponding heights and bases have different ratios of 5/8 and 3/4. The corresponding angle pairs look very close to the same size but are not exactly equal. NEITHER |