



IF A SHAPE IS A SQUARE, THEN IT HAS 4 SIDES.

1. If this statement is True, give the figure a baseball cap. If it is False, give it a cowboy hat.
2. If the converse is IF A SHAPE HAS 4 SIDES, THEN IT IS A SQUARE, draw boots on the figure.  
If the converse is IF THE SHAPE IS NOT A SQUARE, THEN IT DOES NOT HAVE 4 SIDES, Then draw sandals on the figure.
3. If the COMPLEMENT of a 1 degree angle is 89, draw a dog on the right side of the picture, if the complement of a 1 degree angle is 179, draw the dog on the left side.
4. If supplements add to 180, draw a parrot on the figures shoulder, If supplements add to 90, draw a squirrel on his shoulder.
5. If vertical angles are supplements, then draw the sun in the sky. If vertical angles are congruent, draw clouds instead.
6. If the sum of the interior angles of a triangle is 90, color the shoulder animal red. If the sum of the interior angles of a triangle is 180, color the shoulder animal green.
7. Draw a word balloon coming out of the figure's mouth.
8. Reflect the point (5,-3) across the y-axis. If the resulting point is (-5, -3), then write "HOWDY" in the word balloon. If the resulting point is (5, 3), then write "YEEHAW!"
9. If a dilation creates a congruent image, then draw a t-shirt on the figure. If a dilation creates a non-congruent image, draw a long sleeve, collared shirt.
10. (-3,5) is transformed to (3, -5). If this can be done by reflecting across the x-axis, then there is a firetruck behind it. If this transformation can be done with the vector  $\langle 6, -10 \rangle$ , then there is a Tyrannasaurus behind it.
11.  $(x, y) \rightarrow (y, x)$  If this is an example of a reflection across the x-axis, draw 3 birds in the sky. If it is an example of a reflection across  $y = x$ , draw 1 plane in the sky.
12. If same-side interior angles are congruent when lines are parallel, then draw a vest on the figure. If not, don't.
13. "If it is red, then it is a firetruck" If a counterexample for this statement is a yellow fire truck, then draw a tree on the left side. If a red apple is is a counterexample, draw a tree on the right side.

