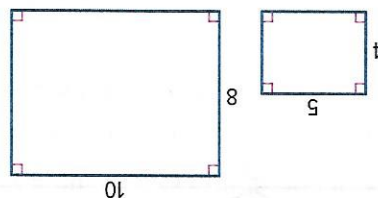


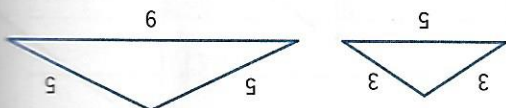
Common Core Spiral Review



21.



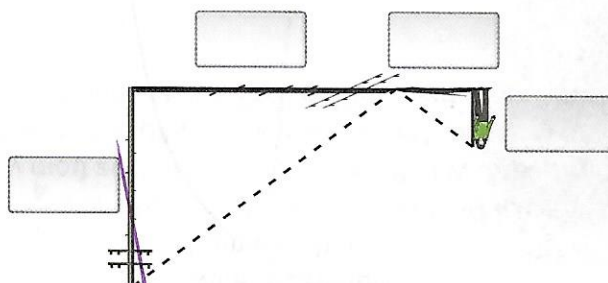
22.



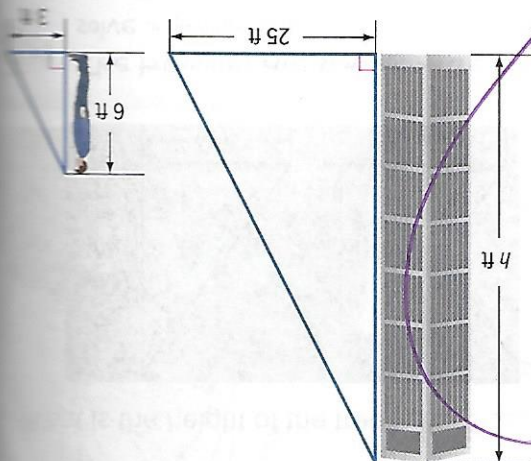
Determine whether each pair of polygons is similar. Explain. 8.G.4

What is the height of the telephone pole?

Select values to label the diagram with the correct dimensions.



20. Lenno is 5 feet tall and is using similar triangles and a mirror to find the height of a telephone pole. The horizontal distance between Lenno and the telephone pole is 28 feet. He places the mirror on the ground 7 feet from himself so that he can see the top of the pole in the mirror's reflection as shown in the figure below.

Using the proportion, the tower is feet tall.

height of the tower.

Write a proportion Horatio can use to find the

that is 25 feet long.

19. Horatio is 6 feet tall and casts a shadow 3 feet long. At the same time, a nearby tower casts a shadow that is 25 feet long.