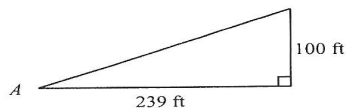
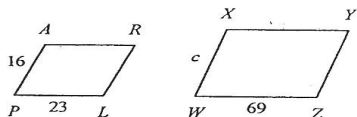


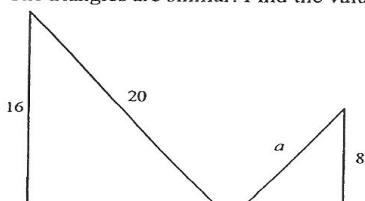
- 14) A large totem pole in the state of Washington is 100 feet tall. At a particular time of day, the totem pole casts a 239-foot-long shadow. Find the measure of $\angle A$ to the nearest degree.



15. Parallelogram $PARL \sim$ parallelogram $WXYZ$. Find the value of c .



The triangles are similar. Find the value of a .



16. A building 89 ft high casts a 356-ft shadow. Sarah casts a 16-ft shadow. The triangle formed by the building and its shadow is similar to the triangle formed by Sarah and her shadow. How tall is Sarah?

17. Gretchen is using an overhead projector to enlarge a drawing so she can make a poster. The original drawing measures 60 mm wide by 80 mm high. She moves the projector so that the width of the projected image is 300 mm. If the original drawing and the projected image are similar figures, what will be the height of the projected image?
18. A map shows the distance between the corner of Cactus Road and 1st Street and the corner of 1st Street and Merle Road as 3 inches. If the scale is 1 in. : 3.7 mi, what is the actual distance?
19. Find $P(\text{rolling 1 or 6})$ with one number cube.
20. You have 14 pennies in your pocket. Of those pennies, 3 are Canadian. Suppose you pick a penny out of your pocket at random. Find $P(\text{not Canadian})$.
21. You put the names of all the students in your class in a paper bag. There are 15 boys and 13 girls. If you draw a name at random, what is $P(\text{boy's name})$?
22. A survey of teenagers found the music preferences listed. If you pick a teenager at random, what is $P(\text{rock})$?

Country	Jazz	Rock	Classical	New Age	Other
12	5	7	6	6	4