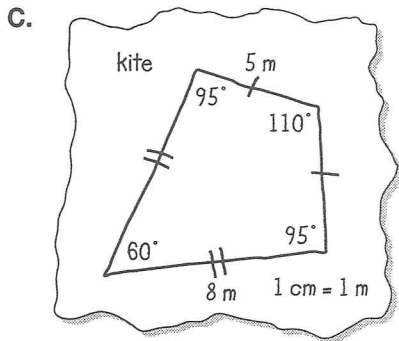
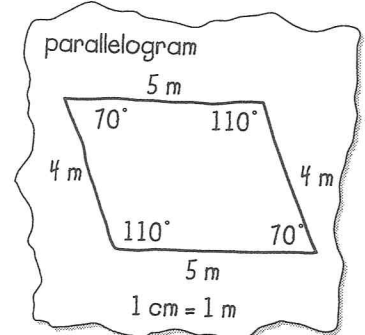


Chapter 7 Lesson 4

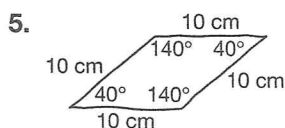
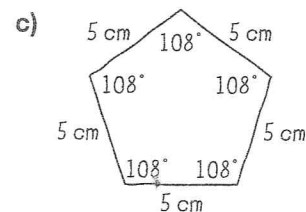
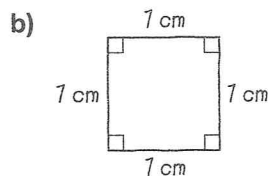
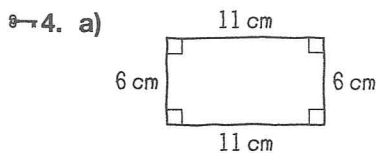
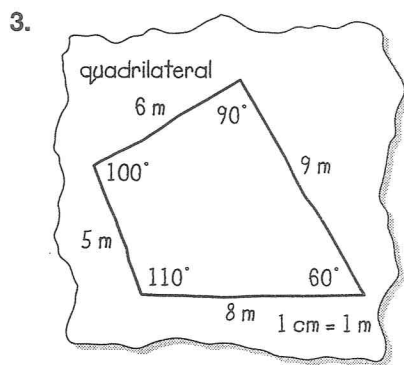
Constructing Polygons

Answers

A. & B.



1. For example, first, I would determine a scale. Then I would construct one angle by drawing the side lengths adjacent to it. At the other end of one of the side lengths, I would draw the next angle and side length. Then all I would have to do is connect the other end of this last side length to the other end of the remaining side length to close the parallelogram.
2. For example, first, I drew the 95° angle and its side lengths to scale. Then, from the other end of each side length, I drew the 110° and 60° angles and their arms. This closed the figure. To me, this order makes good sense because it is easy, accurate, and involves only a few steps. If I had to guess where to draw the lines and then measure the angles, I would probably make a lot of mistakes.



6. a) The side measurements and angle measurements are correct but mislabelled. The equal sides should be opposite one another and the equal angles should also be opposite one another. The larger angle measures need to be opposite the longer side lengths.

b) parallelogram

