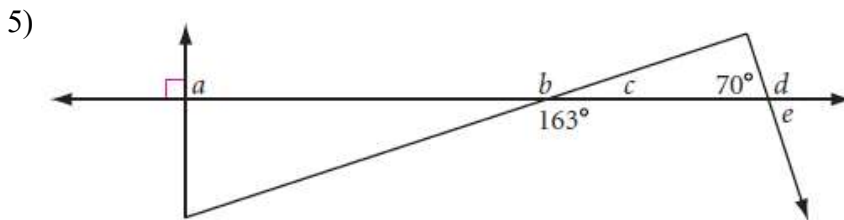
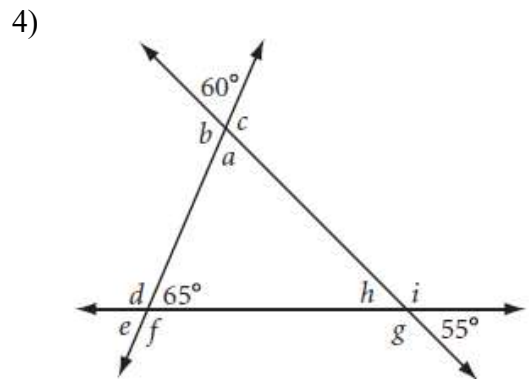
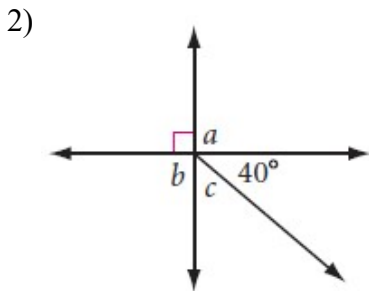
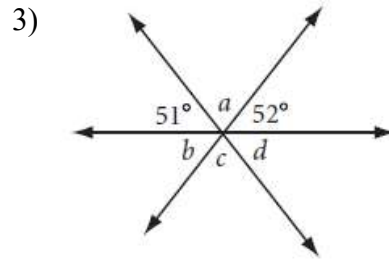
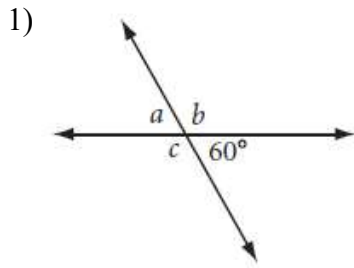
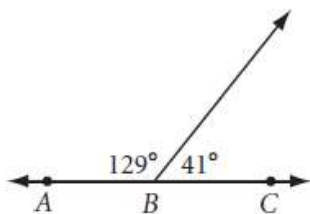


Without using a protractor, find the measure of each lettered angle. List your answers in alphabetical order.



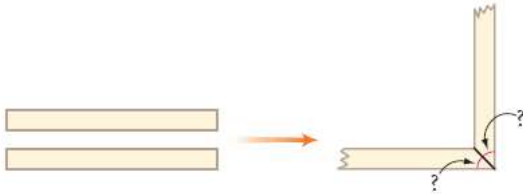
Complete.

6) Points A , B , and C are collinear. What's wrong with this picture?

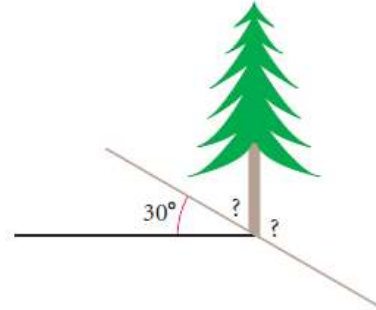


7) If two congruent angles are supplementary, what must be true of the two angles? Make a sketch, then complete the following conjecture: If two angles are both congruent and supplementary, then _____. Draw a picture.

- 8) Yoshi is building a cold frame for his plants. He wants to cut two wood strips so that they'll fit together to make a right-angled corner. At what angle should he cut ends of the strips?



- 9) A tree on a 30° slope grows straight up. What are the measures of the greatest and smallest angles the tree makes up with the hill? Explain.



Sketch, label and mark the figure.

- 10) Scalene obtuse triangle PAT with $PA = 3$ cm, $AT = 5$ cm, and $\angle A$ an obtuse angle

- 11) A quadrilateral that has rotational symmetry, but not reflectional symmetry

- 12) A circle with center at O and radii \overline{OA} and \overline{OT} creating a minor arc \widehat{AT}

- 13) A pyramid with an octagonal base

- 14) A 3-by-4-by-6-inch rectangular solid rests on its smallest face. Draw lines on the three visible faces to show how you can divide it into 72 identical smaller cubes.

- 15) If a pizza is cut into 16 congruent pieces, how many degrees are in each angle at the center of the pizza?

