



Lines, Angles, and Figures

Worksheet 1

Choice *E*, in multiple-choice questions, is always: *I request help from the teacher.*

You may mark *E* in addition to one other choice if you think that you have the right answer to the question but you do not feel that you have a complete understanding of the problem.

Your teacher will decide whether to use the two-point or four-point scoring rubric for problems that use numbers, pictures, or words to justify/explain your answer(s). You may request help for these questions, too. Write the word “teacher” by your answer(s).

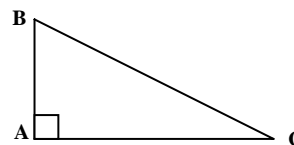
1. In a triangle XYZ (not shown), angle X measures 42° , and angle Y measures 65° , what is the measure angle Z?

A. 107° B. 253° C. 73° D. 100° E. Teacher

2. In the right triangle shown, if angle B measures 25° , what is the measure of angle C?

A. 155° C. 105°
B. 25° D. 65°

E. Teacher



3. If the measure of an angle D is 75° (not shown) and the measure of angle E is 105° , then these angles are:

A. complementary angles C. vertical angles
B. supplementary angles D. obtuse angles

E. Teacher

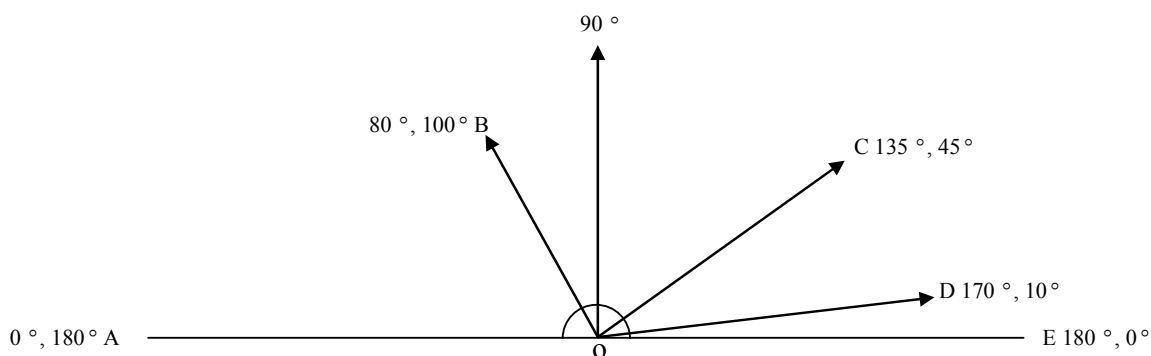
4. Which statement is incorrect?

A. A 75° angle is acute. C. A 92° angle is acute.
B. A 110° angle is obtuse. D. A 90° angle is right.

E. Teacher



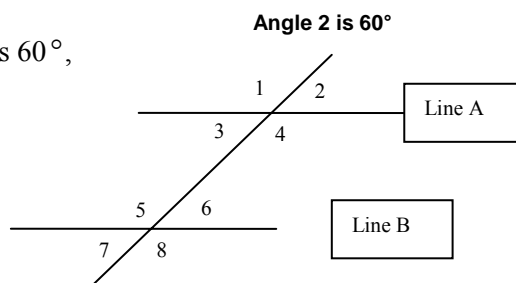
This protractor sketch represents degree markings for #5, #6, and #7.



5. The measure of angle AOC is
 A. 45° B. 180° C. 135° D. 90° E. Teacher
6. The measure of angle EOB is
 A. 100° B. 80° C. 60° D. 90° E. Teacher
7. The measure of angle DOB is
 A. 100° B. 170° C. 80° D. 90° E. Teacher

8. If lines A and B are parallel, and the measure of angle 2 is 60° , then the measure of angle 3 is

- A. 120° C. 90°
 B. 60° D. 110°
 E. Teacher



9. Of the angles 1 and 2 in the figure above, which is an exterior angle?
 A. 1 B. 2 C. Both D. Neither E. Teacher
10. In the figure above, the measure of angle 5 is
 A. 120° B. 60° C. 90° D. 110° E. Teacher