# Chapter 5 Test

*For #1 to #6, select the best answer.*

1. Two angles have measures of 35°
and 55°. The angles are
A complementary
B supplementary
C complementary and
supplementary
D neither complementary nor
supplementary

2. In the diagram shown, how many
X patterns are there?
A one
B two
C three
D four
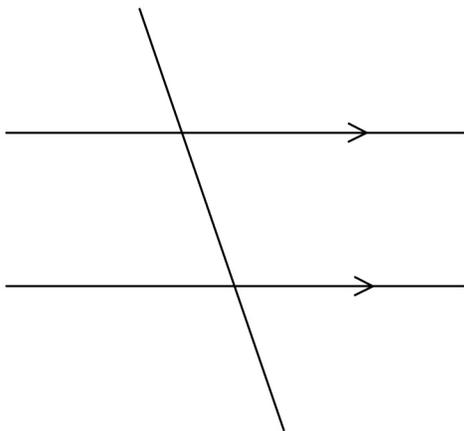
3. In the diagram shown, how many
angles have the same measure as
∠x?
A two
B three
C four
D seven
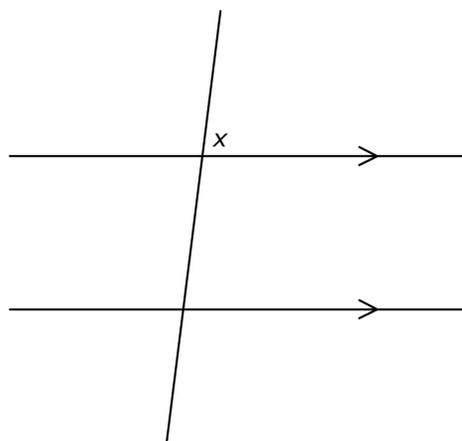
4. In the diagram shown, ∠y is equal
to
A 46°
B 84°
C 96°
D 100°
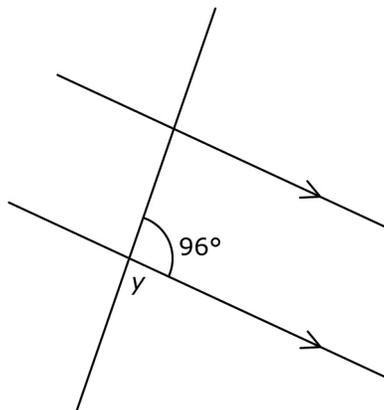
5. In the diagram shown, ∠z is equal to
  A 35°
  B 84°
  C 100°
  D 120°
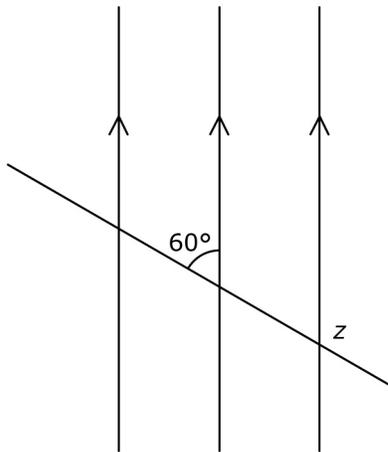
6. If ∠w is 10°, what is the value of the reflex angle that creates it?
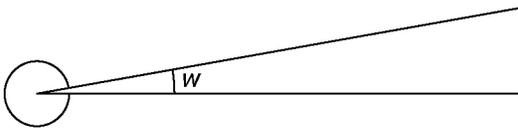
  A 10°
  B 20°
 **C** 30°
  D 350°

7. Sketch each angle. Then, use a protractor to construct each angle.
  a) 60°
  b) 190°

8. Draw a 70° angle. Use a compass or a protractor to bisect the angle.

9. Two supplementary angles are the same size. What is the measure of each angle?

10. A mitre saw is used to make the cuts necessary to make the rectangular frame shown. Determine the angle of the cuts.
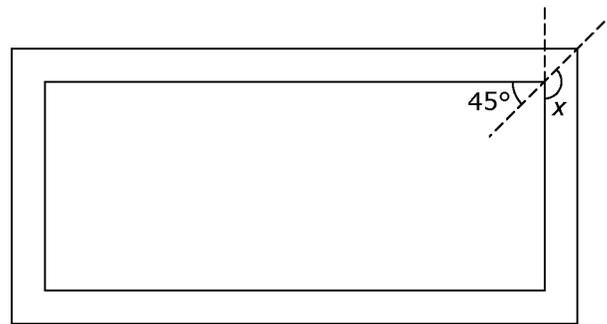
11. In the wall seen below, determine the measures of the angles that the board shown makes with the vertical studs. Describe how these measures could be used to determine if the studs are parallel to each other.