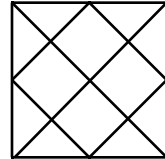


**2001 Mount Rainier Math Invitational
Fifth Grade Team Geometry Test**

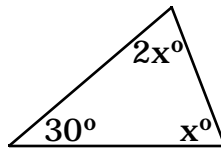
Reduce all fractions and answers may be left in terms of π or use 3.14 for π . You will have 20 minutes for this test.

Questions 1- 5 are worth 2 points each

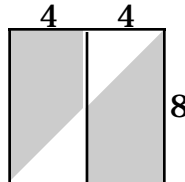
1. How many squares are in this figure ?



2. Find x .



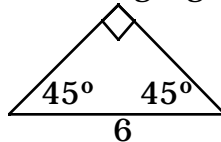
3. What is the sum of the measures of the angles in a pentagon?
4. What is the area of the shaded figure?



5. What is the total length of the edges in a cube with side length equal to 3?

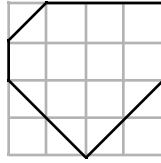
Questions 6- 10 are worth 3 points each

6. What is the area of the isosceles triangle given below?



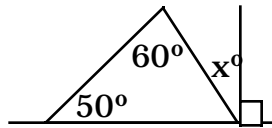
(turn over)

7. What is the area of the following figure, if each of the small squares have area 1?



8. If the circumference of a circle is 10π times 10, what is its area?

9. What is the value of x ?



10. How many of these statements are true?

All rectangles are squares.

The measure of each angle in an equilateral triangle is 45 degrees.

A scalene triangle has two sides equal.

Both sets of opposite sides in a trapezoid are parallel.