Mr. Powder Ditto5 (Review Sheet for Test 7) Math 7R
Name:

1. What is the value of *x* in the figure?



2. What is the classification of the pair of angles shown?



3. Which name applies to the angle pair at the right?



4. The angles shown are supplementary. What is the value of x?



5. Find the value of *x* in the figure shown.



6. In the figure at the right, what is $m \ge 2$ if $m \ge 4 = 64^{\circ}$?



7. Classify the triangle by its angles and by its sides?

Angles:

Sides:

8. On a scale drawing, the scale is $\frac{1}{2}$ inch = 1 foot. What are the dimensions on the scale drawing for a room that is 29 feet by 18 feet?

9. On a map, the scale is 1 inch = 230 miles. What is the actual distance between two cities if the map distance is 7 inches?

10. Which solid has the top, the side, and the front views given?



11. What is the classification of the figure shown?



- 12. What would be the cross section of a triangular prism that is sliced horizontally?
- 13. Classify the angle shown?



14. What is the value of *x*?



15. What is the value of *x* in the figure at the right?



- 16. Angle 1 and angle 2 are supplementary. If $m \ge 1 = 96^\circ$, what is $m \ge 2$?
- 17. A building is 125 meters tall. A scale model of the building uses a scale of 1 centimeter = 5 meters. How tall is the model?

18. Name all pairs of congruent angles in the figure shown?



19. What is the value of *x* in the triangle?



20. Draw a top, a side, and a front view of the solid.



Side

Front

21. What is the classification of the triangle by its angles and by its sides?



- 23. What would be the cross section from a vertical slice of the figure in problem 22?
- 24. Identify the figure. Then name the base, faces, edges, and vertices.



25. Describe the shape that would result from a vertical slice of the figure below.

