

## First Review

1. State the following postulates and draw a sketch illustrating each: Segment-Addition, Segment Bisector, Angle-Addition, Angle Bisector.

2. What's the minimum number of points to make a line? a plane?

3. Explain what it means to have two angles that are supplementary. What the hell does complementary mean? Draw a picture that shows each scenario.

4. Suppose  $\angle ABC + \angle CBV = \angle ABV$ . Make a drawing expressing this.

5. Suppose  $AB + BM = AM$ . Where would  $B$  lie if  $AB = \frac{1}{2}AM$ ? Draw a picture that shows this.

6. Make up a problem that uses the Addition, Subtraction, Multiplication and Division property.

7. Demonstrate the substitution property on something you make up.

8. Given that  $\angle 1$  is complementary to  $\angle V$  and  $\angle 3$  is also complementary to  $\angle V$ , we know that  $\angle 1 \cong \angle 3$ . Make a drawing illustrating this using angle names and numbers.

9. Suppose two angles are supplementary to the same angle  $\angle VAN$ . Take a guess at how they're related. (Hint: Use number 8) Draw a picture showing this.