**Part A Instructions:** Choose the option that completes the sentence or answers the question.

1. **A pair of complementary angles adds up to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.**
   1. 180
   2. 90
   3. 360
   4. 270
2. **A pair of supplementary angles adds up to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.** 
   1. 180
   2. 90
   3. 360
   4. 270
3. **The alternate exterior angles are on the opposite side of the transversal, but \_\_\_\_\_\_\_\_\_\_ the coplanar lines.**
   1. outside
   2. inside
   3. perpendicular to
   4. within
4. **Which of the following statements is correct?** 
   1. If a transversal intersects two parallel lines, then the alternate angles formed are congruent.
   2. If a transversal intersects two parallel lines, then the corresponding angles formed are congruent.
   3. The vertical angles are always congruent.
   4. All of these.

**Part B Instructions:** Answer the question below.

1. **Find the angle A to the nearest degrees in the figure below.**

**70°**

**40°**

**2x - 10°**

**A**

**Answers: Part A Instructions:** Choose the option that completes the sentence or answers the question.

1. **A pair of complementary angles adds up to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.**
   1. 180
   2. 90
   3. 360
   4. 270
2. **A pair of supplementary angles adds up to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degrees.** 
   1. 180
   2. 90
   3. 360
   4. 270
3. **The alternate exterior angles are on the opposite side of the transversal, but \_\_\_\_\_\_\_\_\_\_ the coplanar lines.**
   1. outside
   2. inside
   3. perpendicular to
   4. within
4. **Which of the following statements is correct?** 
   1. If a transversal intersects two parallel lines, then the alternate angles formed are congruent.
   2. If a transversal intersects two parallel lines, then the corresponding angles formed are congruent.
   3. The vertical angles are always congruent.
   4. All of these.

**Part B Instructions:** Answer the question below.

1. **Find the angle A to the nearest degrees in the figure below.**

**70°**

**40°**

**2x - 10°**

**A**

**A = 40°**