

Complementary and Supplementary Angles Lesson

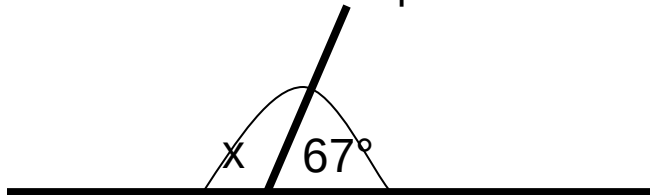


1. What is the supplementary angle to 67° ?

2. What is the complementary angle to 34° ?

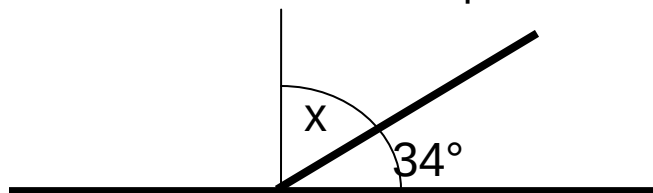
Explanation:

1. Angles are referred to as supplementary when they add up to 180° . If we have that 67° , the supplementary angle would be defined as x in the equation $67^\circ + x = 180^\circ$



$$x = 180^\circ - 67^\circ = 113^\circ$$

2. Angles are referred to as complementary when they add up to 90° . If we have that 34° , the complementary angle would be defined as x in the equation $34^\circ + x = 90^\circ$



$$x = 90^\circ - 34^\circ = 56^\circ$$