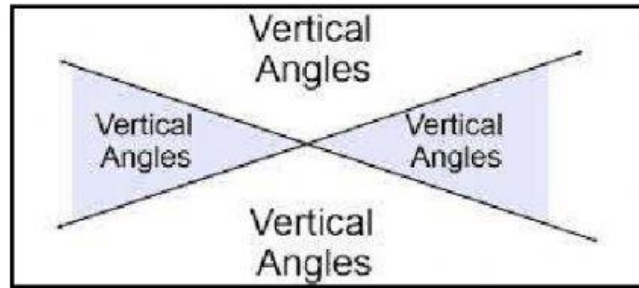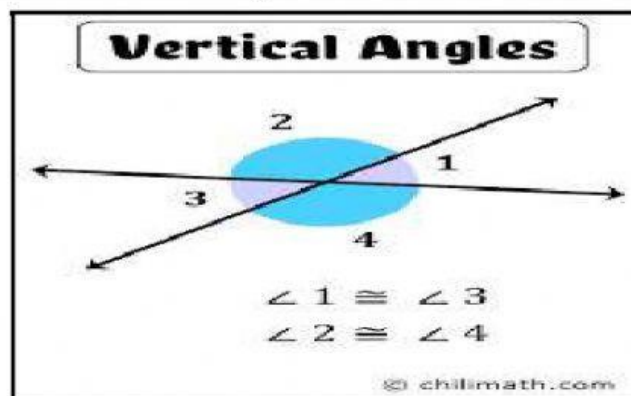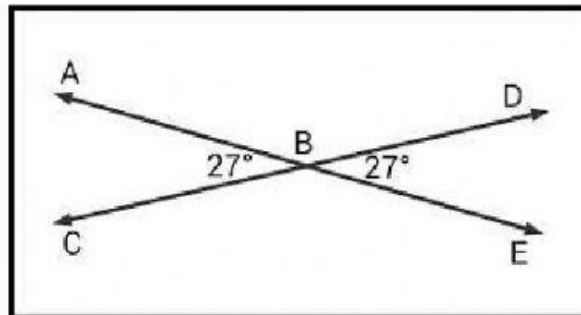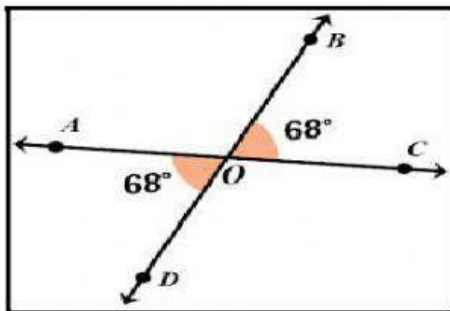Name   Date
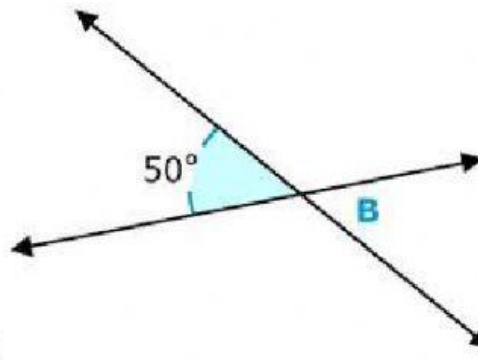
Vertical Angles

When two lines intersect, four **vertical angles** are created. **Vertical angles** are pairs of opposite, congruent angles formed when two lines intersect.
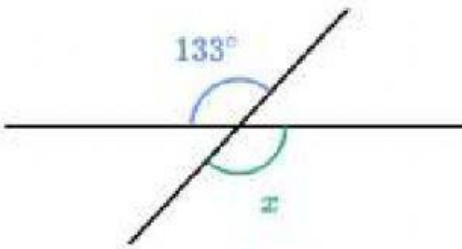

When vertical angles are formed, the opposite angles are **congruent**, meaning they have the same measure.
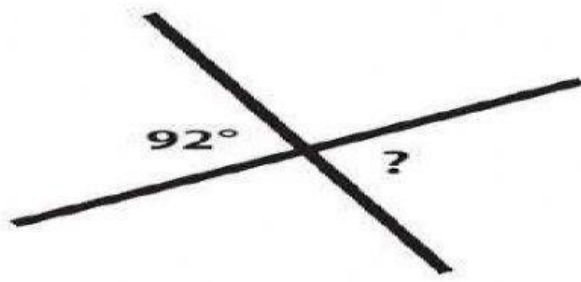
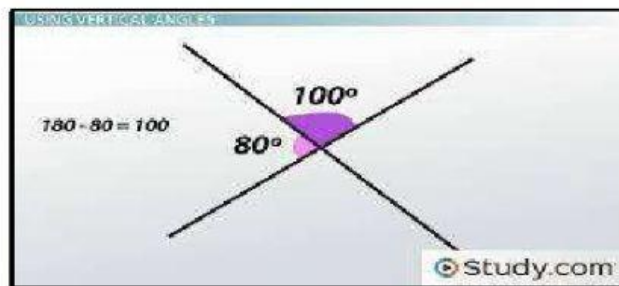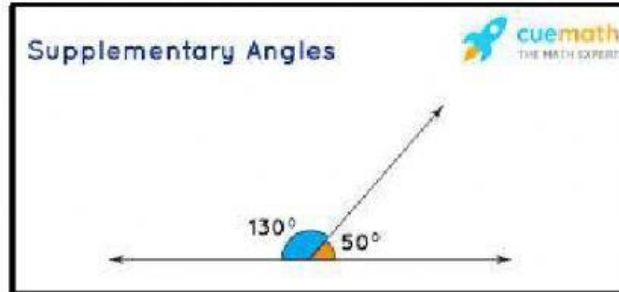**Tell the measure of the vertical angles in the diagrams below:**

1)   Angle B = _____

What is the measure of angle x?

2) [_____]°   Angle x = _____
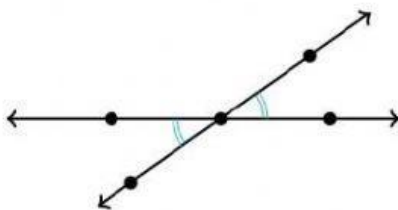

3)   Angle ? =

The **adjacent** angles, those next to each other, are **supplementary**, meaning they add up to 180 degrees. Supplementary angles are formed whenever two or more angles appear on a **straight angle**, which is always a straight line of 180 degrees.
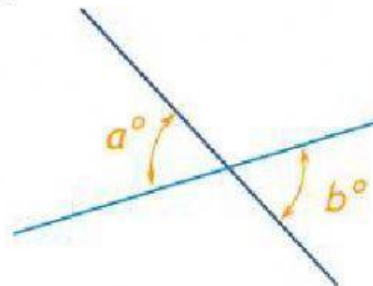

Supplementary Angles

Write v if the angles are vertical and s if they are supplementary.

1)

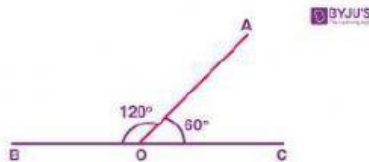
2)

3)

4)