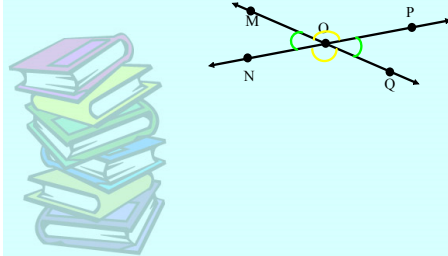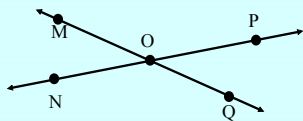# Vertical and Adjacent Angles
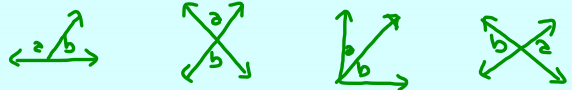
_____

Angles formed opposite from each other when two lines intersect. They are **ALWAYS** congruent!

_____

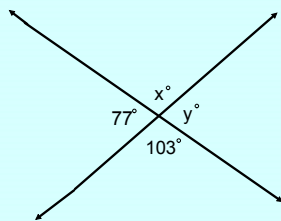Angles that have a common _____ and common _____.

Label each of the following as vertical, or adjacent.

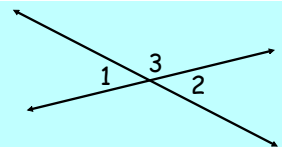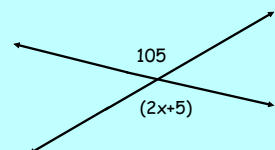Knowing that these angles are vertical, what are the measures of x and y?

X° =

y° =

77°   x°   y°   103°

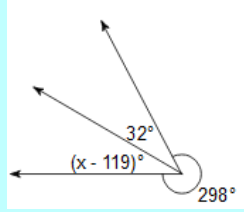Angle 1 = 40
Angle 2 = 2x + 10

What is the value of x?

1   3   2

What is the value of x?

105

(2x+5)

What is the value of x?

b

29°

246°

32°

(x - 119)°

298°

What is the value of x?

97°

(2x + 19)°

What is the value of x?

(3x + 18)° (4x + 1)°

What is the value of x?

61

(3x+1)°

7+ Only:

Solve for x:

$3x + 178°$

$6x + 238°$
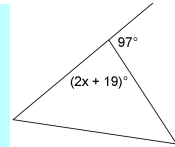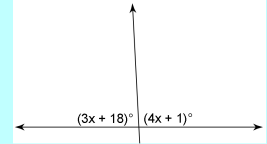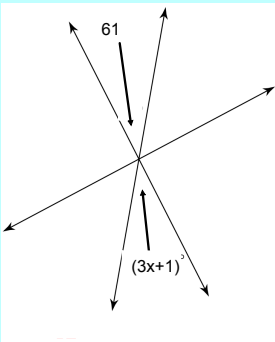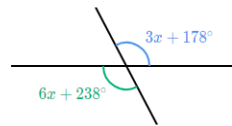
Find the measurement of the angle:

(5x – 2)° (4x + 17)°