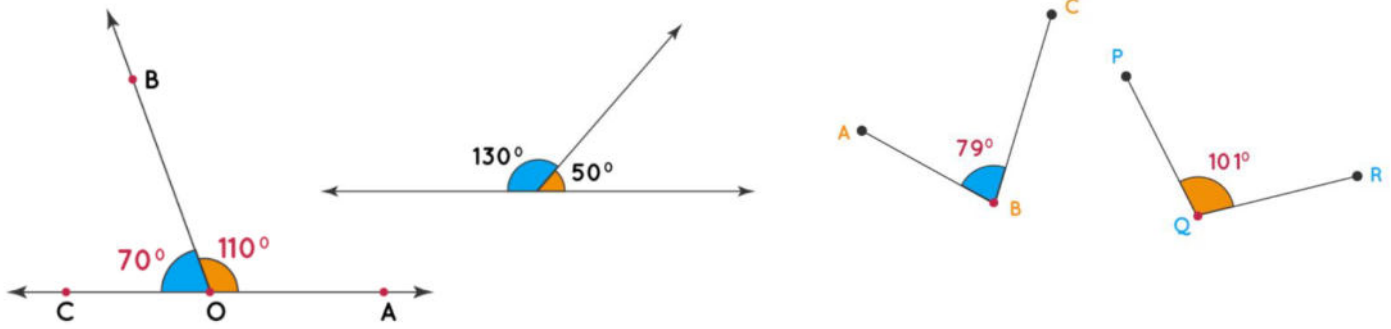


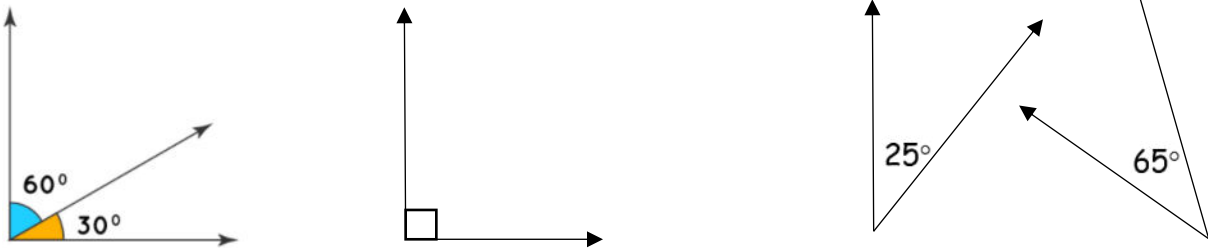
Task 1

These angle pairs below are examples of **supplementary angles**.



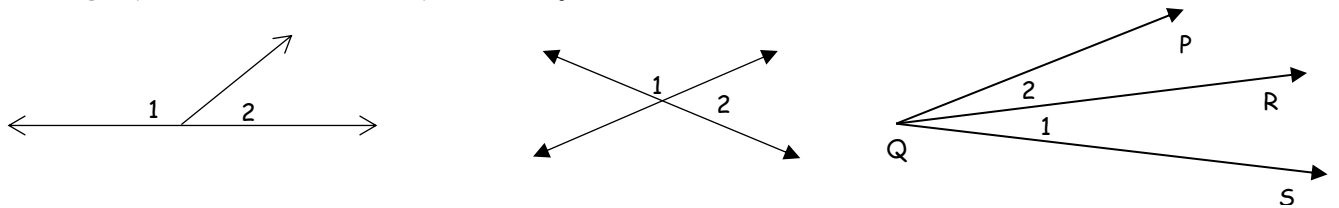
a) Define supplementary -

These angle pairs below are examples of **complementary angles**.

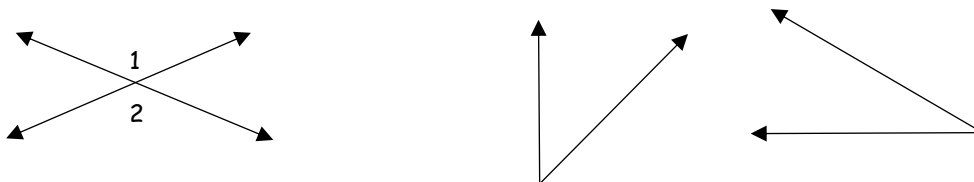


b) Define complementary -

These angle pairs below are examples of **adjacent angles**.



These angle pairs below are examples of **non-adjacent angles**.



c) Define adjacent -

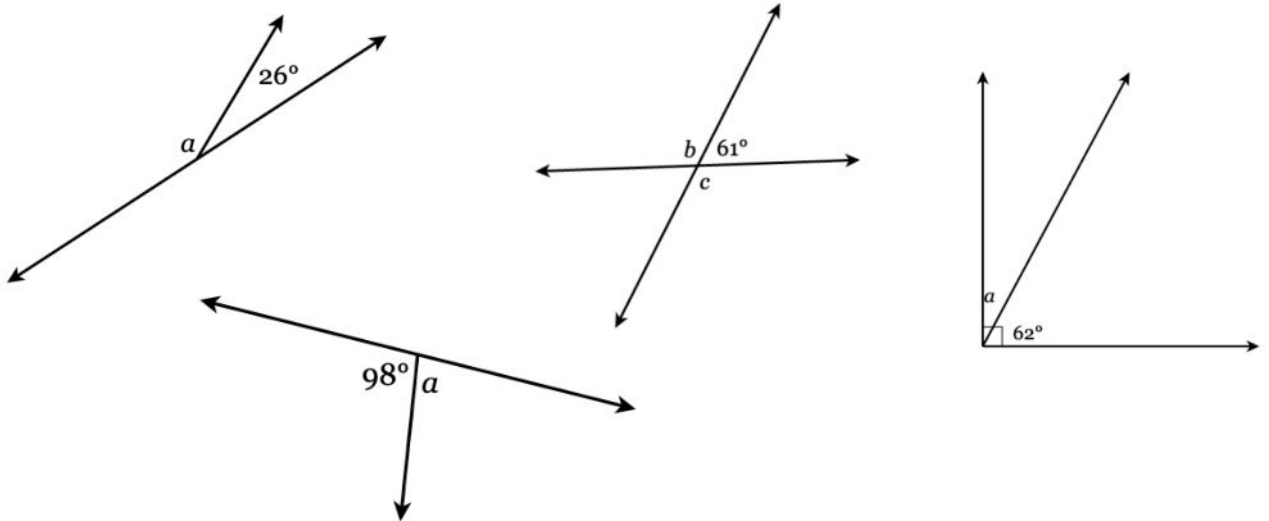
d) Note: **Linear pair** are adjacent supplementary angles. Draw an example

Task 2

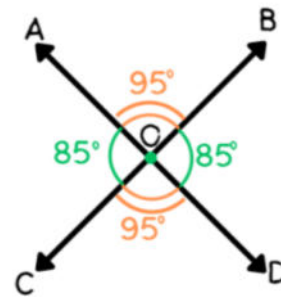
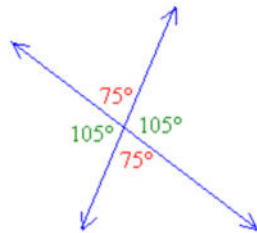
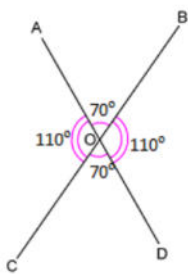
a) Find the measure of each of the following:

Angle	Complement	Supplement
80°		
17°		
	31°	
		105°
x°		

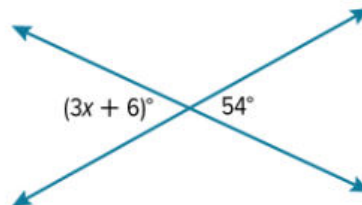
b) Find the values of the **missing angles** in these diagrams.



Task 3



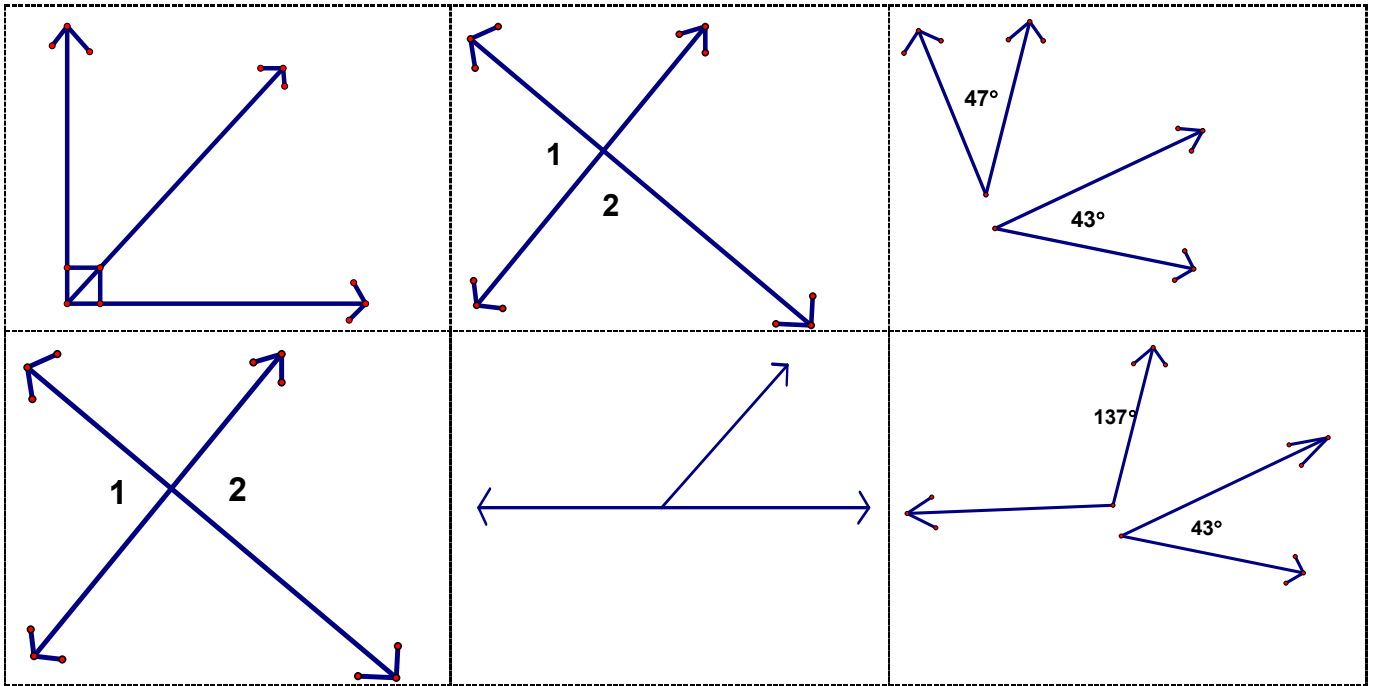
- a) In the diagrams above, what do you notice?
 b) Solve for x



Note: Vertical angles are nonadjacent angles formed by intersecting lines (they form an "X"). Vertical angles are congruent.

Task 4

Identify the following as adjacent angles, nonadjacent angles, vertical angles, complementary angles, supplementary angles, linear pair, or all that apply.



Task 5

Write every way that you could set up an equation to solve for x . DO NOT SOLVE!
There are more than FOUR equations that you can write. How many can you come up with?

