

Lesson 1D: Angle Pairs

Definitions and Theorems

Draw a picture for each definition.

Adjacent angles-

- share a side

Linear Pair -

- adjacent angles made
by intersecting lines

Vertical Angles -

- Opposite angles made
by intersecting lines

Supplementary Angles -

- add to 180°

Complementary Angles -

- add to 90°

Name a pair of ...

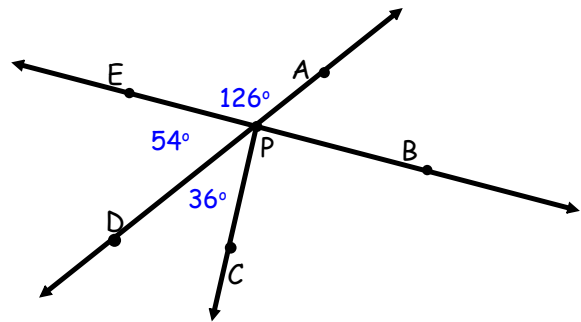
Adjacent Angles: _____

Linear Pair: _____

Complimentary: _____

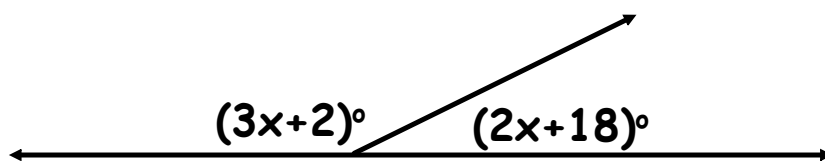
Supplementary: _____

Vertical Angles: _____



Example 1 Linear Pair Theorem
 - Linear Pairs are _____

Use the Linear Pair Theorem to write an equation and find the measure of each angle below.

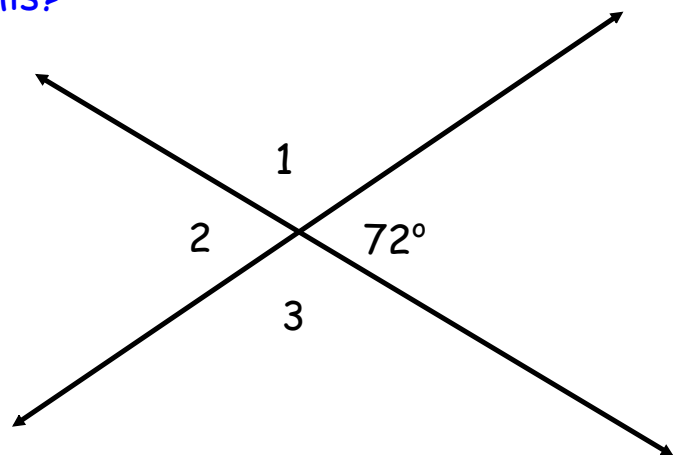


Vertical Angle Theorem-
Vertical angles are _____

Can you prove this?

Example 2

Find the measure of
each numbered angle.



Example 3

Two angles form a linear pair. The measure of one angle is 4 times the other. Find the measure of each angle.