

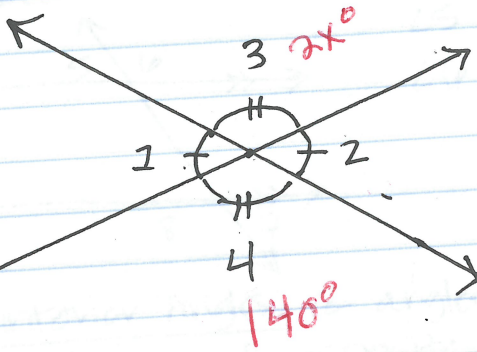
Vertical Angles + Linear Pairs

Vertical Angles: Formed by 2 intersecting lines

- common vertex
- Not adjacent
- Equal in measure

Linear Pair:

- $\angle 3$ and $\angle 2$
- $\angle 1$ and $\angle 4$
- $\angle 2$ and $\angle 4$
- $\angle 3$ and $\angle 1$



Vertical Angles:

- $\angle 1$ and $\angle 3$
- $\angle 2$ and $\angle 4$

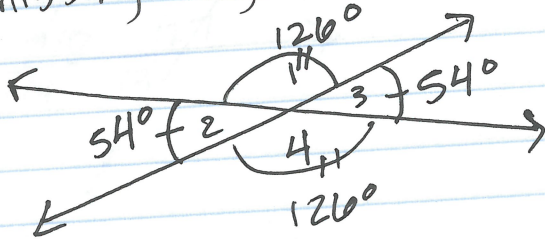
$$\frac{140}{2} = \frac{2x}{2}$$

$$70 = x$$

Linear Pair: 2 angles that are supplementary

Ex. Find the missing Angles.

- $m\angle 3 = 54^\circ$
- $m\angle 1 = 126^\circ$
- $m\angle 4 = 126^\circ$



$$180 - 54 = 126^\circ$$