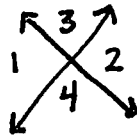


VERTICAL ANGLES

Two angles **across** from each other on intersecting lines. They are always **congruent**!

Example:

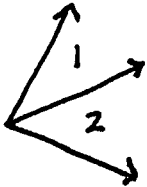
$$\angle 1 \cong \angle 2$$
$$\angle 3 \cong \angle 4$$



ADJACENT ANGLES

Two angles that are **next to** each other and share a common side.

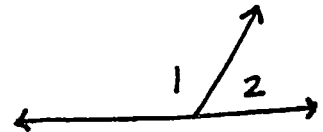
Example:



LINEAR PAIR

Two angles that are **adjacent and supplementary**. They form a **straight line**!

Example:



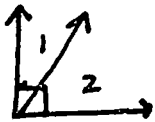
$$\angle 1 + \angle 2 = 180^\circ$$

ANGLE Relationships

COMPLEMENTARY ANGLES

Any two angles whose **sum is 90°**

Example:

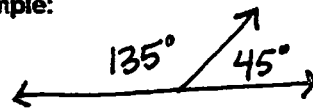


$$\angle 1 + \angle 2 = 90^\circ$$

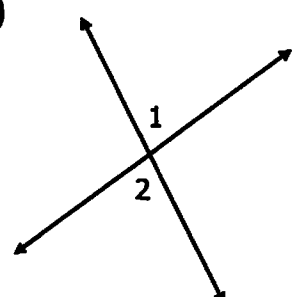
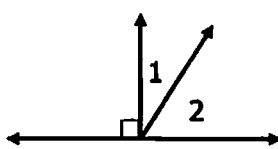
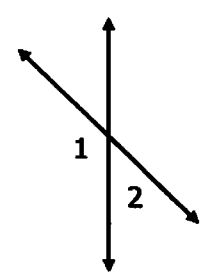
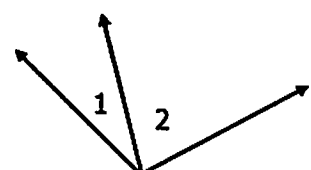
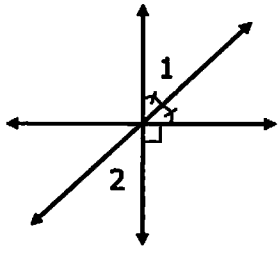
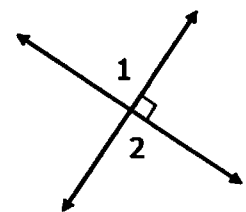
SUPPLEMENTARY ANGLES

Any two angles whose **sum is 180°**

Example:



Identifying Types of Angles: Check all relationships between $\angle 1$ and $\angle 2$.

<p>1</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Adjacent <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Complementary <input type="checkbox"/> Supplementary <input type="checkbox"/> Linear Pair 	<p>2</p>  <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Adjacent <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Complementary <input type="checkbox"/> Supplementary <input type="checkbox"/> Linear Pair
<p>3</p>  <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Adjacent <input type="checkbox"/> Vertical <input type="checkbox"/> Complementary <input checked="" type="checkbox"/> Supplementary <input checked="" type="checkbox"/> Linear Pair 	<p>4</p>  <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Adjacent <input type="checkbox"/> Vertical <input type="checkbox"/> Complementary <input type="checkbox"/> Supplementary <input type="checkbox"/> Linear Pair
<p>5</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Adjacent <input checked="" type="checkbox"/> Vertical <input checked="" type="checkbox"/> Complementary <input type="checkbox"/> Supplementary <input type="checkbox"/> Linear Pair 	<p>6</p>  <ul style="list-style-type: none"> <input type="checkbox"/> Adjacent <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Complementary <input checked="" type="checkbox"/> Supplementary <input type="checkbox"/> Linear Pair