## Definition: *Opposite Rays:* Opposite rays are rays that lie on the same line and intersect in just one point.















Definition: *Vertical angles*: Vertical angles are two angles such that the sides of one angle are opposite rays to the sides of the other.















## Theorem 18: Vertical angles are congruent.

















![](_page_25_Figure_0.jpeg)

![](_page_26_Figure_0.jpeg)

![](_page_27_Figure_0.jpeg)

![](_page_28_Figure_0.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_30_Figure_0.jpeg)

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