Mathematics Class Slides

Bronx Early College Academy

Christopher J. Huson PhD

13 October 2020

2.1 Angle vocabulary, 13 October

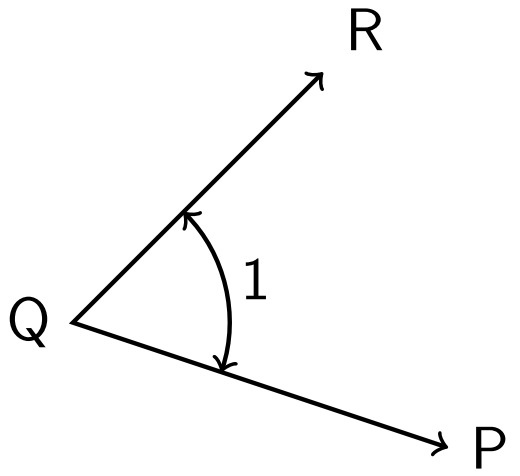
2.2 Angle pair relationships, 15 October

GQ: How do we measure angles?

CCSS: HSG.CO.A.1 Know precise geometric definitions 2.1 Tuesday 13 Oct

Do Now: Write down angle definitions

1. *Right angles* measure 90°
2. *Perpendicular* lines meet at right angles. $\overline{AB} \perp \overline{CD}$
3. *Acute* angles are $< 90^\circ$
4. *Obtuse* angles are $90^\circ < \angle m < 180^\circ$
5. A *straight line* or angle measures 180°



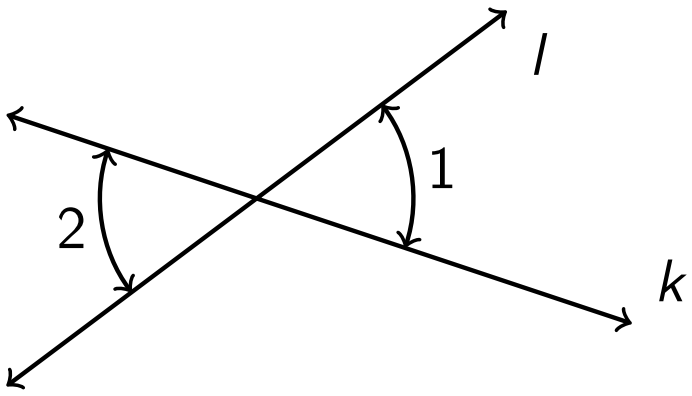
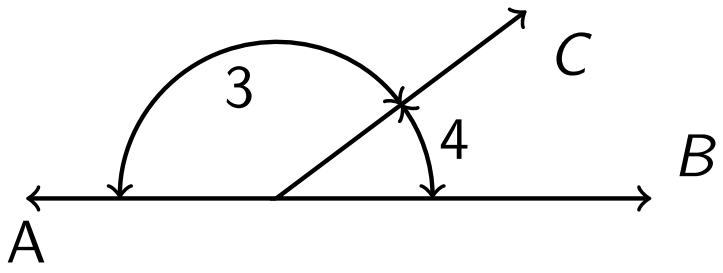
Point Q is the *vertex*

The sides or *legs* are $\overrightarrow{QR}$, $\overrightarrow{QP}$

Written $\angle 1$, $\angle Q$, or $\angle PQR$

GQ: How do we relate angles to each other?

CCSS: HSG.CO.A.1 Know precise geometric definitions 2.2 Thursday 15 Oct

Do Now: Write down angle pairs

1. *Adjacent* angles share a leg ("next to each other")
2. *Complementary* angles measures sum to 90°
3. *Supplementary* angles sum to 180°
4. *Vertical* or opposite angles made by intersecting lines (1, 2)
5. *Linear pairs*, adjacent angles making a straight line (3, 4)