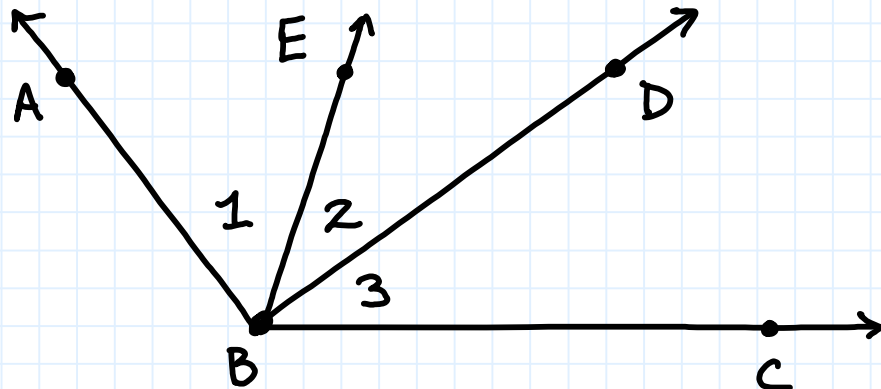


## Overview of problems



Example Set: A

Name the given angle in another way



$\angle 1$

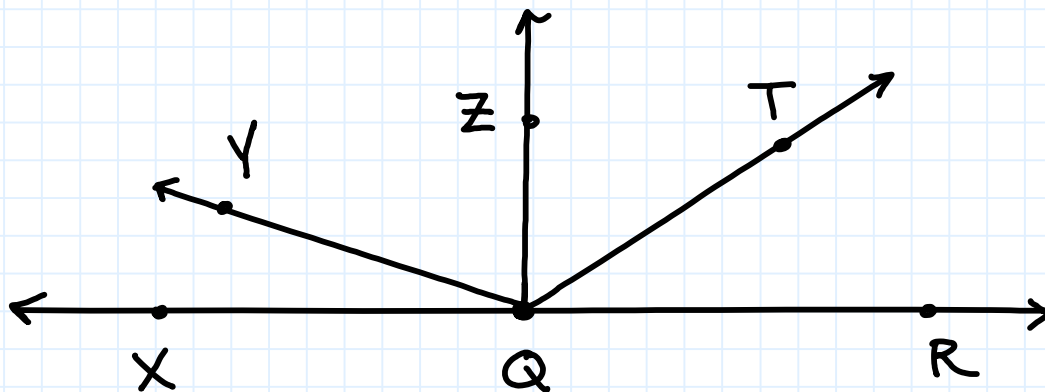
$\angle CBE$

$\angle ABC$

$\angle DBC$

$\angle 2$

Determine what angles appears to be acute, right, straight or obtuse



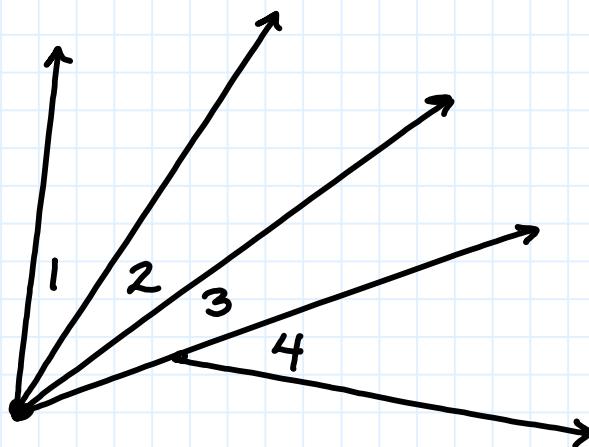
Determine if the given angles are adjacent

$\angle 1, \angle 2$

$\angle 3, \angle 1$

$\angle 2, \angle 3$

$\angle 3, \angle 4$

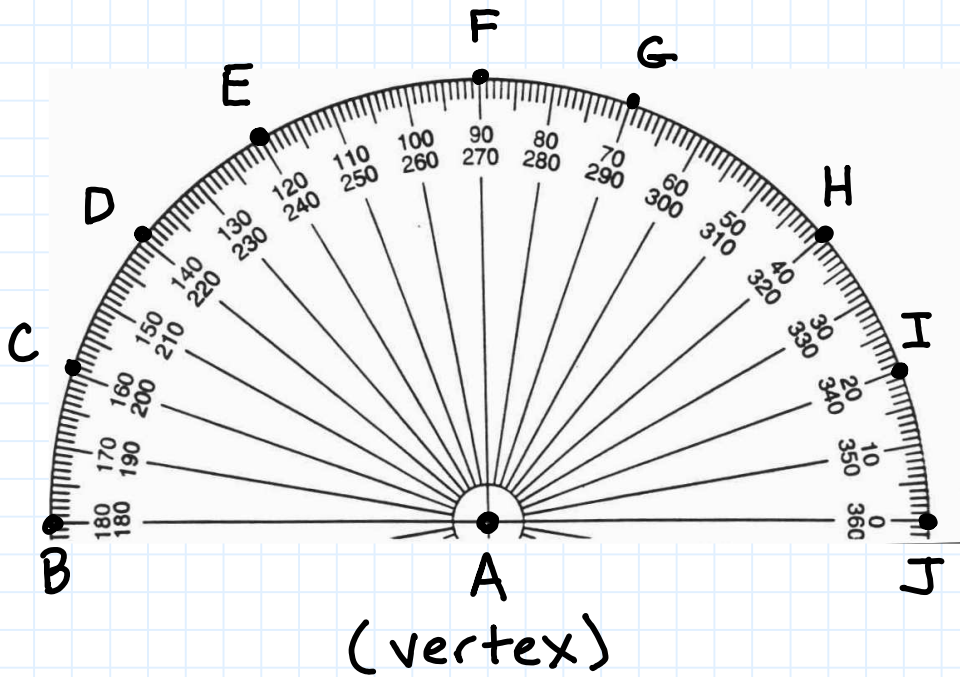




## Example Set: B

Name a pair of congruent:

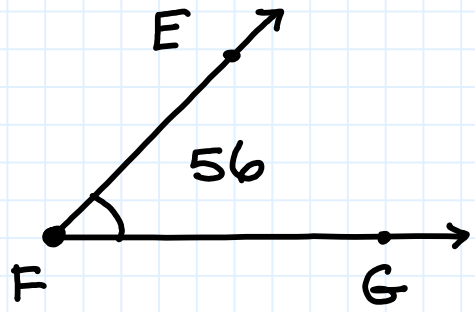
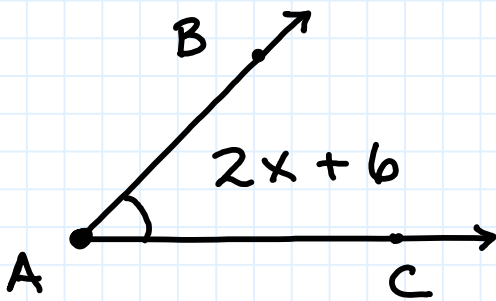
1. acute angles
2. right angles
3. obtuse angles





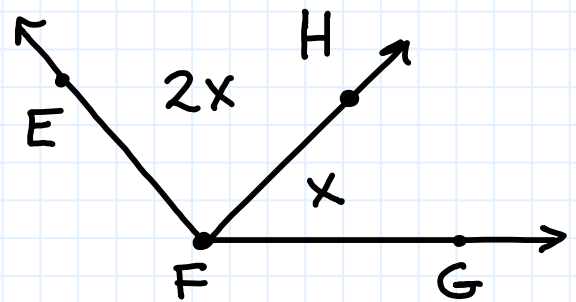
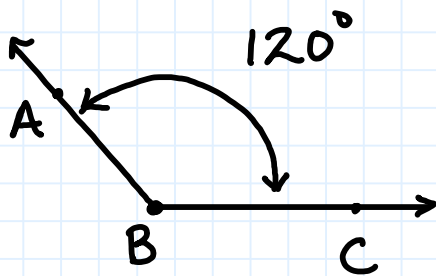
## Example Set: C

Solve for  $x$



$$\angle BAC \cong \angle EFG$$

Find the angle measure of  $\angle HFG$



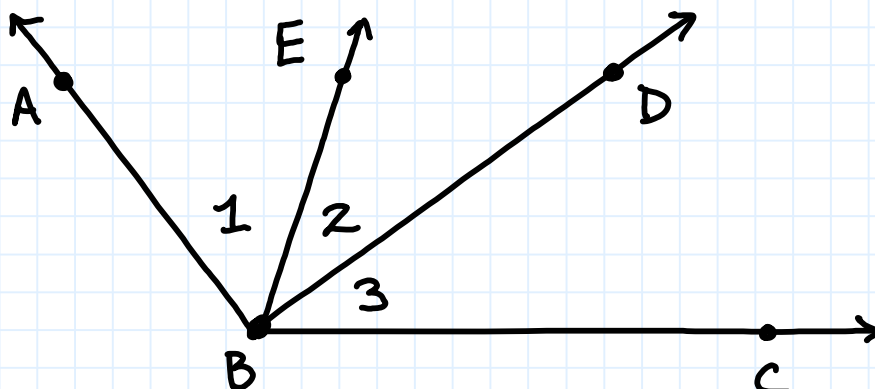
$$\angle ABC \cong \angle EFG$$

## Overview of problems- KEY



Example Set: A

Name the given angle in another way



$\angle 1$        $\angle ABE, \angle EBA$

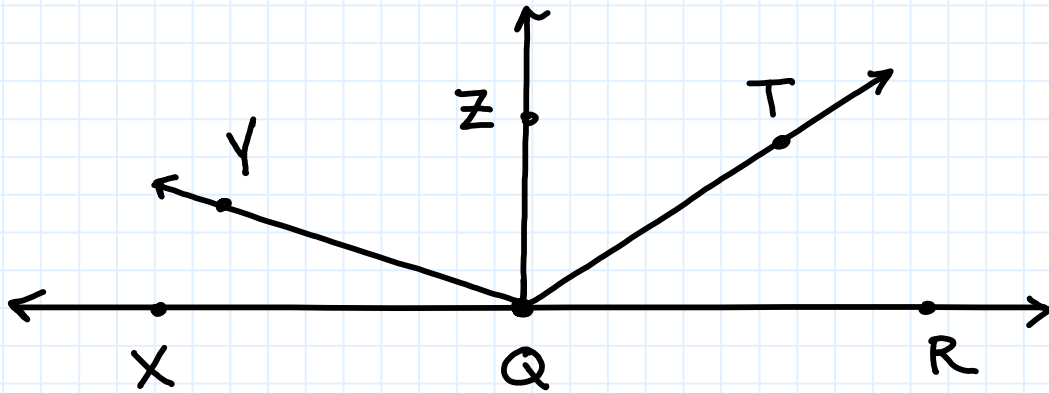
$\angle CBE$        $\angle EBC$

$\angle ABC$        $\angle CBA$

$\angle DBC$        $\angle 3, \angle CBD$

$\angle 2$        $\angle EBD, \angle DBE$

Determine what angles appears to be acute, right, straight or obtuse



acute:  $\angle XQY$ ,  $\angle YQZ$ ,  $\angle ZQT$ ,  $\angle TQR$

right:  $\angle XQZ$ ,  $\angle ZQR$

Straight:  $\angle XQR$

obtuse:  $\angle XQT$ ,  $\angle YQR$ ,  $\angle YQT$

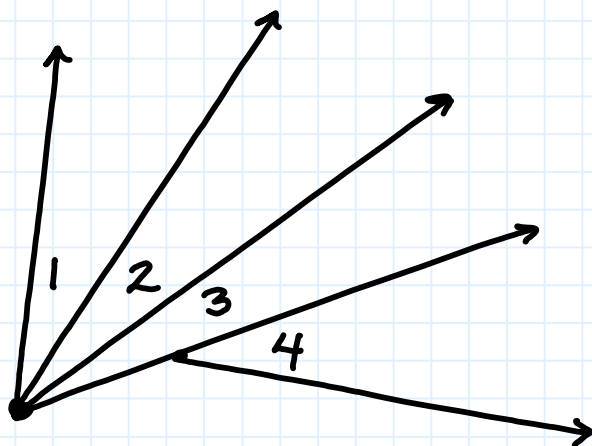
Determine if the given angles are adjacent

$\angle 1, \angle 2$       yes

$\angle 3, \angle 1$       NO

$\angle 2, \angle 3$       yes

$\angle 3, \angle 4$       NO





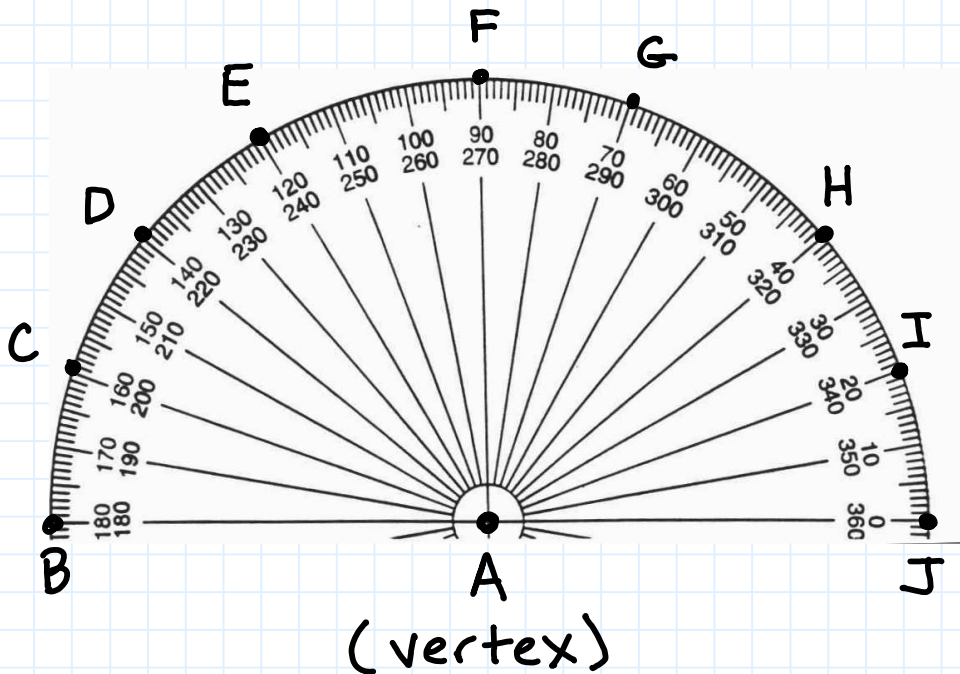
## Example Set: B

Name a pair of congruent:

1. acute angles  $\angle IAJ \cong \angle CAB$

2. right angles  $\angle FAB \cong \angle FAJ$

3. obtuse angles  $\angle DAJ \cong \angle BAH$

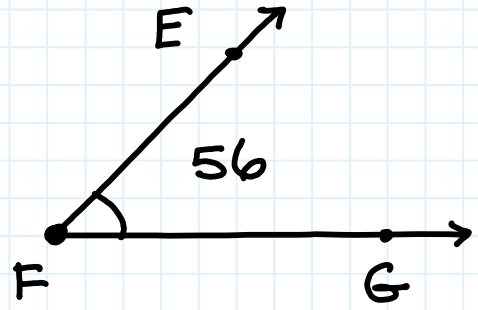
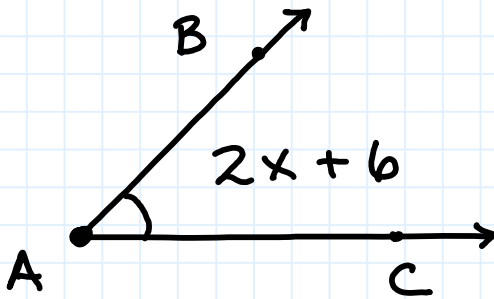




## Example Set: C

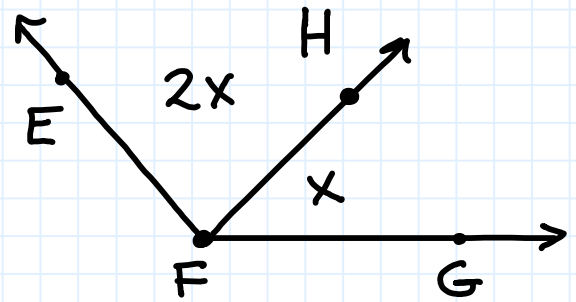
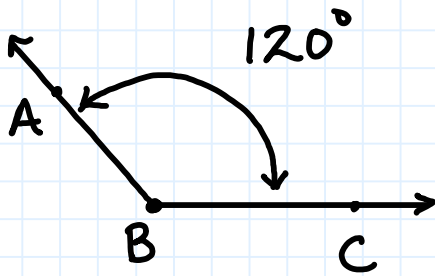
Solve for  $x$

$$x = 25$$



$$\angle BAC \cong \angle EFG$$

Find the angle measure of  $\angle HFG = 40^\circ$



$$\angle ABC \cong \angle EFG$$