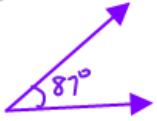
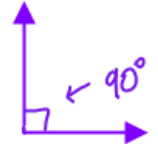


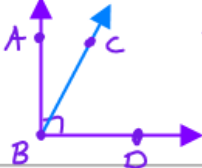
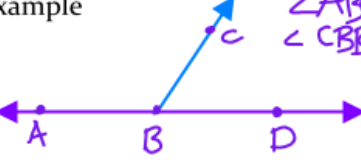


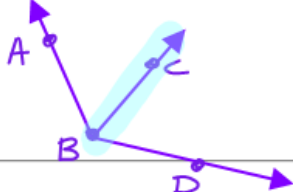
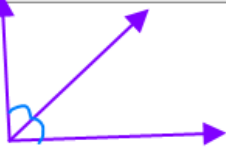
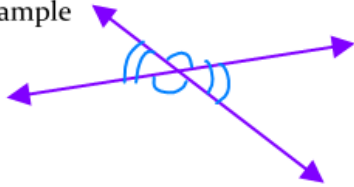
Lesson 5-1

<p>a <i>write</i> <i>acute angle</i></p>	Decode
<p>Definition an angle that is less than 90°</p>	<p>Example</p> 
<p><i>right angle</i></p>	Decode
<p>Definition a 90° angle</p>	<p>Example</p> 
<p><i>obtuse angle</i></p>	Decode
<p>Definition an angle that is greater than 90°</p>	<p>Example</p> 

Lesson 5-1

<p><i>straight</i> ^(line) <i>angle</i></p>	<p>Decode</p>
<p>Definition</p> <p>180°</p>	<p>Example</p> 
<p><i>complementary angles</i></p>	<p>Decode</p> <p>com • ple • men • tary</p>
<p>Definition</p> <p>two angles that add to 90°</p>	<p>Example</p>  <p>$\angle ABC$ $\angle CBD$</p>
<p><i>supplementary angles</i></p>	<p>Decode</p> <p>supp • le • men • tary</p>
<p>Definition</p> <p>two angles that add to 180°</p>	<p>Example</p>  <p>$\angle ABC$ $\angle CBD$</p>

Lesson 5-1

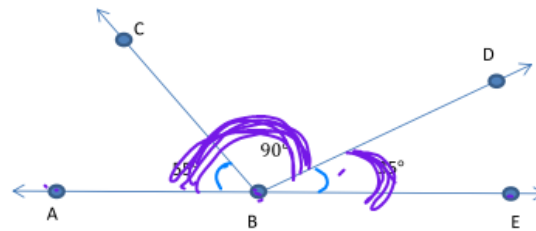
<p><i>adjacent angles</i> next to</p>	<p>Decode ad·ja·cent</p>
<p>Definition two angles that are next to each other</p>	<p>Example</p> 
<p><i>congruent angles</i></p>	<p>Decode</p>
<p>Definition two angles that are the exact same size</p>	<p>Example</p> 
<p><i>vertical angles</i></p>	<p>Decode</p>
<p>Definition always congruent</p>	<p>Example</p> 

Lesson 5-1

Example 1: Classifying Angles

Use the diagram to name each figure.

We Do



A) two acute angles $\angle CBA$ $\angle DBE$

B) two obtuse angles $\angle CBE$ $\angle ABD$

C) a pair of complementary angles 90° $\angle ABC$ and $\angle DBE$

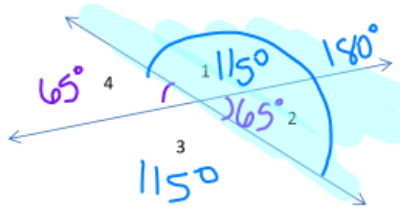
D) two pairs of supplementary angles 180° $\angle ABD$ and $\angle EBD$

Lesson 5-1

Example 2: Finding Angle Measures

Use the diagram to find each angle measure

We Do



E) if $m\angle 2 = 65^\circ$, find the $m\angle 4 = 65^\circ$

F) find the $m\angle 1$

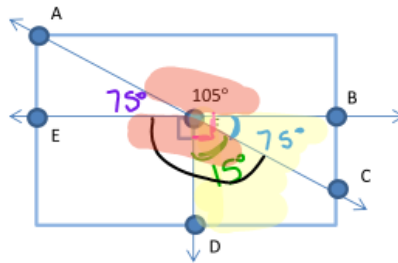
$$\begin{array}{r} 180 \\ - 65 \\ \hline 115 \end{array}$$

Lesson 5-1

Example 3: Finding Angle Measures

Use the diagram to find each angle measure

We Do



A) Find $m\angle AFE$

$$\begin{array}{r} 180 \\ -105 \\ \hline 75 \end{array}$$

B) Find $m\angle BFC$

$$75^\circ$$

C) Find $m\angle CFD$

$$\begin{array}{r} 90 \\ -75 \\ \hline 15 \end{array}$$

D) Find $m\angle EFC$

$$105^\circ$$