| HW January 6, 2014 | Complementary, Supplementary, Linear Pairs, Straight Angles             |
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|                    | HW after GGB LAB applet on Defining characteristics of these angles.    |
|                    | CB entries on the definitions and diagrams for each of the four angles. |

|   | <ol> <li>BA and BC are OPPOSITE RAYS These rays share a common point B and points A, B, and C are COLINEAR, that is all three points lie on the same line.</li> <li>a) Draw &amp; label a picture of these opposite rays.</li> <li>b) What name is given to ∠ABC ?</li> </ol> |  | E   | 1 $\overrightarrow{BA}$ and $\overrightarrow{BC}$ are <b>OPPOSITE RAYS</b> These rays<br>share a common point B and points A, B, and C<br>are <b>COLINEAR</b> , that is all three points lie on the<br>same line.<br>c) Draw & label a picture of these opposite rays.<br>d) What name is given to $\angle ABC$ ? |  |  |
|---|---|--|---|---|--|--|
| s, Straight Angles DATE es a straightedge for all drawings.<br>and/or underneath each question. Show all work.  | 2<br>a)<br>b)<br>c)<br>d)<br>e)   | $\angle KPX \& \angle APX$ form a <b>LINEAR PAIR</b> .<br>Draw & label a picture of these angles.<br>What is another name given to these two<br>angles?<br>What is the measure of $\angle KPX$ if<br>$m\angle APX = 70^{\circ}$<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle KPX$ is 12<br>more than $m\angle APX$ . (ATQ)<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle KPX$ is 5 less<br>than 4 times $m\angle APX$ , determine the<br>measure of each angle. (ATQ)   | <b>rs, Straight Angles</b> DAT<br>Jse a straightedge for all drawings.<br>e and/or underneath each question. Show all work.                                 | 2<br>f)<br>g)<br>i)   | $\angle KPX \& \angle APX$ form a <b>LINEAR PAIR</b> .<br>Draw & label a picture of these angles.<br>What is another name given to these two<br>angles?<br>What is the measure of $\angle KPX$ if<br>$m \angle APX = 70^{\circ}$<br>Write and solve an equation to determine the<br>measure of each angle, if $m \angle KPX$ is 12<br>more than $m \angle APX$ . (ATQ)<br>Write and solve an equation to determine the<br>measure of each angle, if $m \angle KPX$ is 5 less<br>than 4 times $m \angle APX$ , determine the<br>measure of each angle. (ATQ)  |  |
| HW: Complementary, Supplementary, Linear Pai<br>Glue the ANCHOR TAB into your composition book. I<br>Answer the questions in your composition book beside | 3<br>a)<br>b)<br>c)<br>d)<br>e)   | $\overrightarrow{MK}$ lies in the interior of angle $\angle JML$<br>and $\overrightarrow{MJ} \perp \overrightarrow{ML}$ .<br>Draw & label a picture of these angles.<br>What is the name given to $\angle JMK \& \angle KML$<br>If $m\angle KML = 25^\circ$ , what is the measure of<br>$\angle JMK$<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle JMK$ is 18<br>more than $m\angle KML$ . (ATQ)<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle JMK$ is 14 less<br>than 3 times $m\angle KML$ , determine the<br>measure of each angle. (ATQ) | <b>HW: Complementary, Supplementary, Linear Pai</b><br>Glue the ANCHOR TAB into your composition book. Answer the questions in your composition book beside | 3<br>f)<br>g)<br>h)<br>i)   | $\overrightarrow{MK}$ lies in the interior of angle $\angle JML$<br>and $\overrightarrow{MJ} \perp \overrightarrow{ML}$ .<br>Draw & label a picture of these angles.<br>What is the name given to $\angle JMK \& \angle KML$<br>If $m\angle KML = 25^\circ$ , what is the measure of<br>$\angle JMK$<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle JMK$ is 18<br>more than $m\angle KML$ . (ATQ)<br>Write and solve an equation to determine the<br>measure of each angle, if $m\angle JMK$ is 14 less<br>than 3 times $m\angle KML$ , determine the<br>measure of each angle. (ATQ) |  |

| Complementary | Supplementary | Linear Pair | Straight |
|---------------|---------------|-------------|----------|
| Angles        | Angles        | Angles      | Angle    |
|               |               |             |          |
| Complementary | Supplementary | Linear Pair | Straight |
| Angles        | Angles        | Angles      | Angle    |
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| Complementary | Supplementary | Linear Pair | Straight |
| Angles        | Angles        | Angles      | Angle    |
| Complementary | Supplementary | Linear Pair | Straight |
| Angles        | Angles        | Angles      | Angle    |
| Complementary | Supplementary | Linear Pair | Straight |
| Angles        | Angles        | Angles      | Angle    |
| Complementary | Supplementary | Linear Pair | Straight |
| Angles        | Angles        | Angles      | Angle    |