

Name: _____

Date: _____

Aim: Angle Pairs

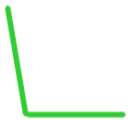
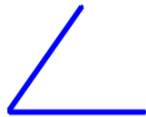
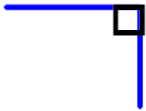
Acute Angle: An angle whose measure is greater than 0 degrees but less than 90 degrees

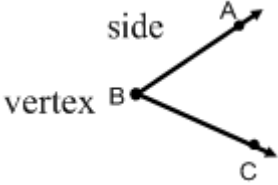
Right Angle: An angle whose measure is exactly 90 degrees

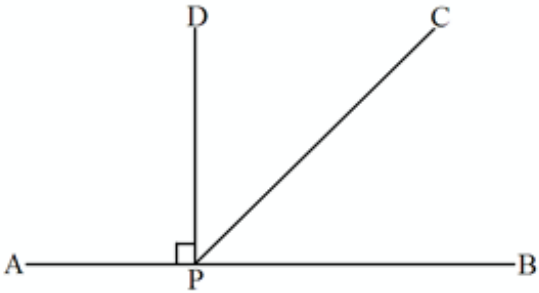
Obtuse Angle: An angle whose measure is greater than 90 degrees but less than 180 degrees

Straight Angle: An angle whose measure is exactly 180 degrees

Do Now: Classify the angles below as acute (a), right (r), obtuse (o), or straight (s).



 <p>Name of Angle:</p>	An angle _____ _____ _____
--	----------------------------------

	<p><u>Adjacent Angles:</u> _____ _____</p> <p>(from diagram) adjacent angles:</p> <p>(from diagram) non-adjacent angles:</p>
---	--

Complementary Angles: _____

Find the measure of the complement.

The left diagram shows a right angle at vertex B. Ray BA is horizontal to the right, and ray BC is vertical upwards. Ray BD is horizontal to the right, and ray BE is vertical upwards. A yellow angle of 37° is between rays BA and BD. A blue angle is between rays BD and BE. The right diagram shows a blue angle at vertex B between rays BA and BC. A yellow angle of 16° is adjacent to it, sharing the vertex B and one ray.

Supplementary Angles: _____

Find the measure of the supplement.

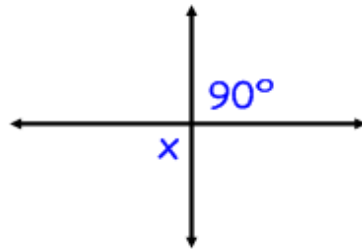
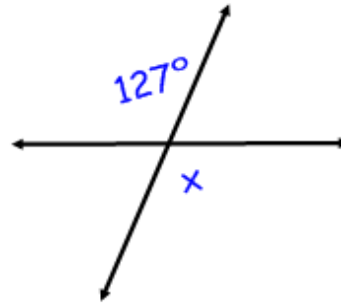
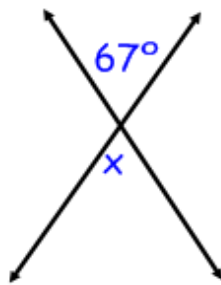
The left diagram shows a straight line with points D, B, and A. Ray BC is drawn from B. A blue angle of 121° is between rays BD and BC. A yellow angle is between rays BC and BA. The right diagram shows a blue angle at vertex B between rays BA and BC. A yellow angle of 117° is adjacent to it, sharing the vertex B and one ray.

Vertical Angles: _____

Perpendicular Lines: _____

Find the missing angle.

diagrams are not drawn to scale



1. A pair of angles whose sum is 90° . complementary angles
2. A pair of angles whose sum is 180° . supplementary angles
3. A pair of congruent angles formed by intersecting lines. vertical angles
4. Lines that cross and form right angles. perpendicular lines
5. Two angles that share a common side and vertex. adjacent angles