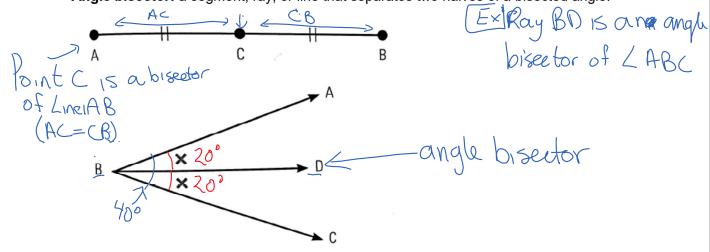
5.2 - Angle Bisectors and Perpendicular Lines

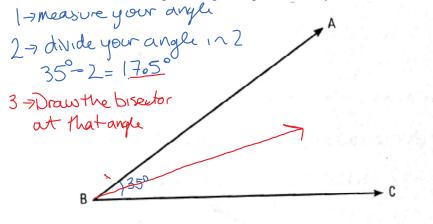
cuts

Angle bisector: a segment, ray, or line that separates two halves of a bisected angle.



Example 1:

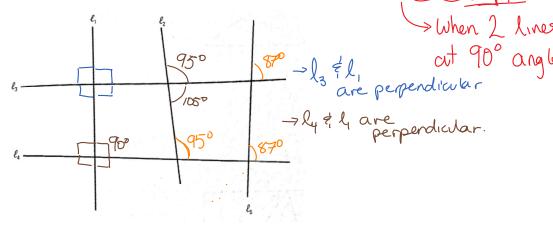
Bisect <ABC using a straight edge and compass.



**Complete Build Your Skills #1-4 on pages 226-227.

Example 2:

Using a protractor, determine which of the following lines are perpendicular.



^{**}Complete Build Your Skills #5-7 on page 228.

<u>5.3 – Non-Parallel Lines and Transversals.</u>

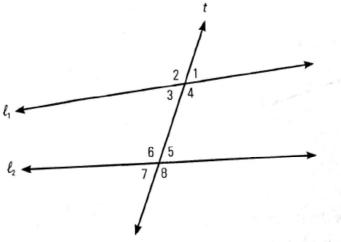
Transversal: a line that intersects two of more lines.

Corresponding angles: two angles that occupy the same relative position at two different intersections

Vertically opposite angles: angles created by intersecting lines that share only a vertex

Alternate interior angles: angles in opposite positions between two lines intersected by a transversal and also on alternate sides of the same transversal

Alternate exterior angles: angles in opposite positions outside two lines intersected by a transversal



^{**}Complete Practise Your New Skills #1-5 on pages 229-230.