GEOMETRY 1: LINES, RAYS, SEGMENTS & ANGLES
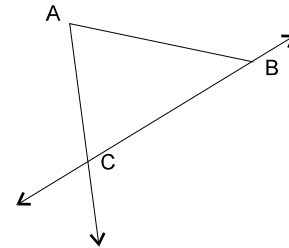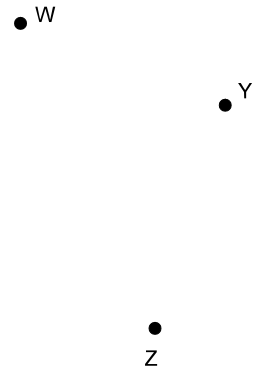
1. From the drawing:
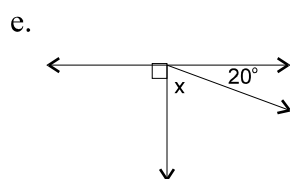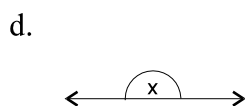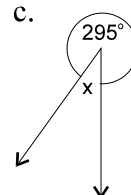
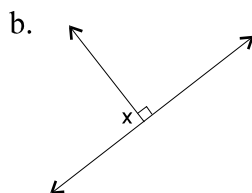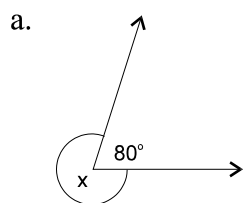   a. name three different line segments

   b. name the line

   c. name three different rays

   d. name the point where $\overline{AC}$ intersects $\overline{BC}$

   e. is $\overline{BC}||\overline{AC}$? Why?

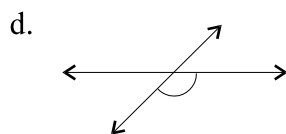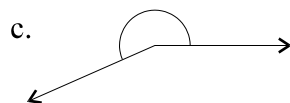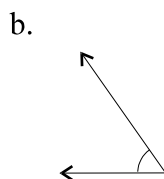2. Using the points W, X, Y and Z, draw the following:

   a. $\overline{WY}$

   b. $\overset{\leftrightarrow}{XY}$

   c. $\overset{\rightarrow}{WX}$

   d. line m which contains Z so that m $||$ $\overset{\leftrightarrow}{XY}$

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3.   Calculate the measure of angle x in each drawing below. Do not use a protractor.

a.

80°

x

b.

x

c.

295°

x

d.

x

e.

20°

x

4.   With a protractor, measure the angle indicated by the curve.

a.

b.

c.

d.
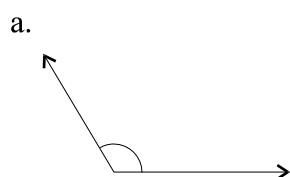
1. a. $\overline{AB}$, $\overline{AC}$, $\overline{BC}$

    b. $\overleftrightarrow{BC}$ c. $\overrightarrow{AC}$ $\overrightarrow{BC}$ $\overrightarrow{CB}$
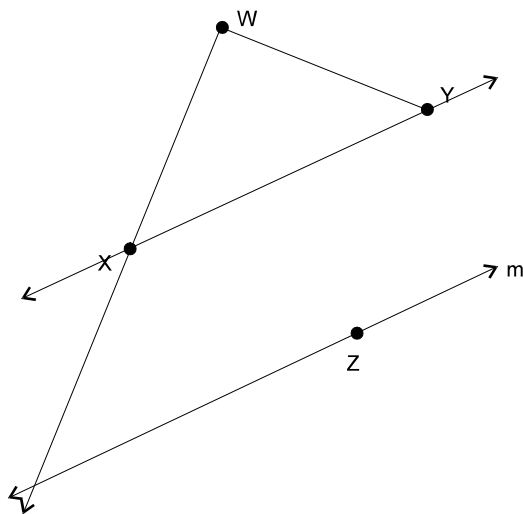
    d. C   e. No. The segments intersect at point A

2.

3. a. 280°   b. 90°   c. 65°   d. 180° e. 70°

4. a. 120°   b. 55°   c. 202° d. 135°

Source: Government of BC used with permission.