CONSTRUCTION GEOMETRY 1: DRAWING SEGMENTS & ANGLES
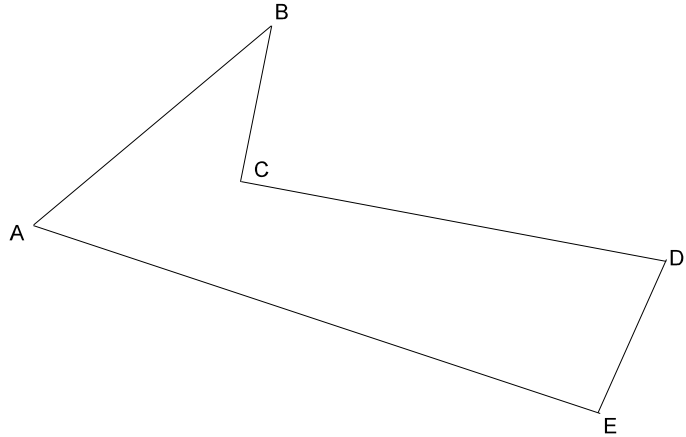
1. Measure the following to the nearest 0.1 cm.

    $\overline{AB}$ = _____

    $\overline{BC}$ = _____

    $\overline{AE}$ = _____

    $\overline{CD}$ = _____

2. Draw and label the following line segments.

    $\overline{XY} = 6.5\,\text{cm}$

    $\overline{RS} = 0.4\,\text{cm}$

    $\overline{MS} = 15.3\,\text{cm}$

3. With a protractor, measure the following angles.

    ∠PON = _____

    ∠MON = _____

    ∠MOP = _____

    ∠BAC = _____

    reflex ∠BAC = _

    ∠DCA = _____

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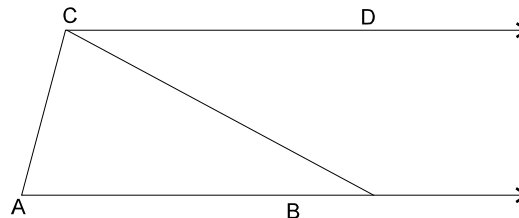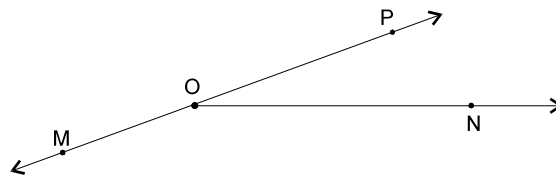
4.   Draw and label the following angles.

a. ∠LAB = 35°   b. ∠BIG = 6°

c. ∠COW = 145°   d. ∠FUN = 90°

e. ∠RAT = 180°   f. ∠DOG = 315°

g. ∠PET = 205°   h. ∠JIM = 72°

ANSWER KEY

1. $\overline{AB}$ = 4 cm, $\overline{BC}$ = 2.1 cm, $\overline{AE}$ = 7.8 cm, $\overline{CD}$ = 5.6 cm

2.

X —————————————— Y   R — S
        6.5 cm   0.4 cm

M —————————————————— N
              15.3 cm
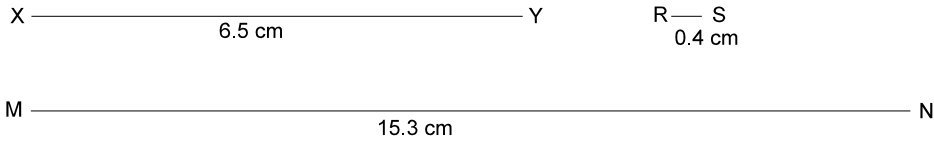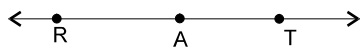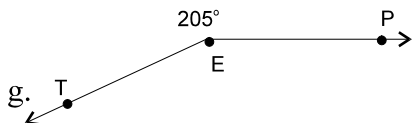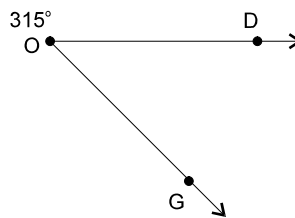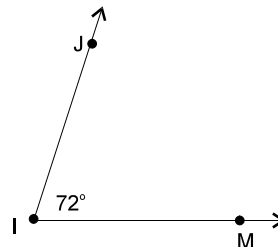
3. ∠PON = 20°, ∠MON = 160°, ∠MOP = 180°, ∠BAC = 75°

4.

a.

b.

c.

d

e.

f.

g.
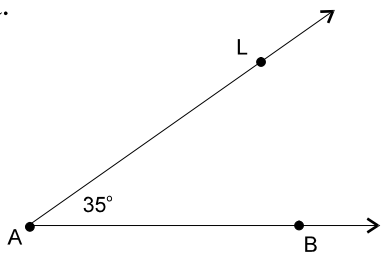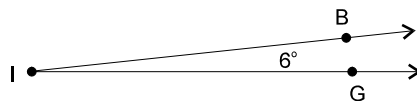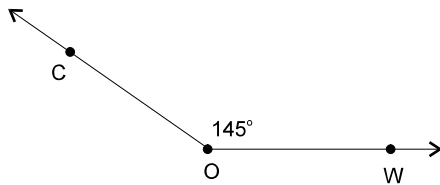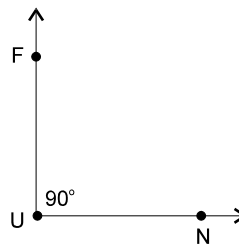
h.

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