Q1. Complete the following statements:
(a) Two line segments are congruent if

_____.

(b) Among two congruent angles, one has a measure of 70°; the measure of the other angle is

_____.

(c) When we write ∠A = ∠ B, we actually mean

_____.

Ans:

(a) They have the same length

(b) 70°

(c) m ∠A = m ∠B

Q2. Give any two real-life examples for congruent shapes.
Ans:

(i) Sheets of same letter pad

(ii) Biscuits in the same packet

Q3. If ∆ABC ≅ ∆FED under the correspondence ABC Ã¢â € â€ FED, write all the Corresponding congruent parts of the triangles.
Ans: If these triangles are congruent, then the corresponding angles and sides will be equal to each other.

$\angle A \leftrightarrow \angle F$

$\angle B \leftrightarrow \angle E$

$\angle C \leftrightarrow \angle D$

$\overline{AB} \leftrightarrow \overline{FE}$

$\overline{BC} \leftrightarrow \overline{ED}$

$\overline{CA} \leftrightarrow \overline{DF}$

Q4. If $\triangle DEF \cong \triangle BCA$, write the part(s) of $\triangle BCA$ that correspond to
(i) $\angle E$ (ii) $\overline{EF}$ (iii) $\angle F$ (iv) $\overline{DF}$

Ans:

(i) $\angle C$

(ii) $\overline{CA}$

(iii) $\angle A$

(iv) $\overline{BA}$

********** END *********