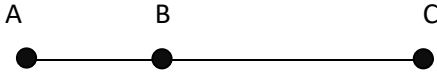Assignment #7

Segment Addition Postulate
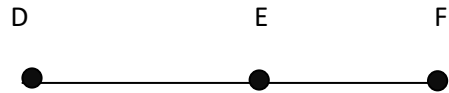
Name: _____ Date: _____ Period: _____

Find the length of the segment indicated
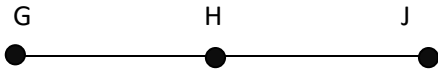
1. AB = 15, BC = 42, Find AC
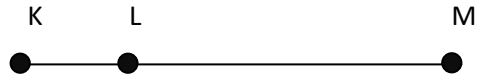
A   B   C

2. DF = 18, DE = 1, Find EF

D   E   F

3. GH = 2x + 4, HJ = x + 12, GJ = 6x + 7, Find x

G   H   J

4. KM = 36, KL = 2x − 3, LM = 5x − 3, Find x

K   L   M

5. O is the midpoint of NP. If NO = 3x + 2,
    NP = 52, Find x

6. S is between R and T. RS = x + 6, RT = 4x + 7
    ST = 5x − 1, Find x

7. V is between U and W. UW = 4x + 10
    UV = 8, VW = 6x − 22

8. Y is between X and Z. YZ = 2x + 7
    XZ = 3x + 18, XY = 4x + 14