Geometry	HW #7		Name		ID: 1
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Segment A	Addition Postula	te Practice		Date	Period

Find the length indicated. Be sure to a) State the Segment Addition Postulate with variables, b) Substitute for the variables, c) Solve.

1) $K \bullet \underbrace{11}_{L} ? \bullet M$	2) C is between B and D BC = 10
17	CD = ? BD = 14

Solve for x. Be sure to a) State the Segment Addition Postulate with variables, b) Substitute for the variables, c) Solve.

3) $E = \frac{-12 + 2x}{x - 8}$	4) Q is between P and R
	PQ = 3
I ≺ →	QR = 2x + 22
10	PR = x + 17

Find the length indicated. Be sure to a) State the Segment Addition Postulate with variables, b) Substitute for the variables, c) Solve.

5) Find <i>DF</i>	6) Find <i>CD</i>	
$D \underbrace{x+7}_{E} \xrightarrow{7}_{F} F$	C is between B and D BC = 2 CD = $2x - 6$ BD = $x + 2$	

Solve for x. Be sure to a) State the Segment Addition Postulate with variables, b) Substitute for the variables, c) Solve.



Points A, B, C, and D are collinear and positioned in that order. Solve for x. Be sure to a) State the Segment Addition Postulate with variables, b) Substitute for the variables, c) Solve.

9) Find x if AC = 17, BD = 2x - 6, AD = x + 16, and BC = 6. 10) AD = 20, BC = 2, AB = x + 12,and CD = x + 12. Find x.