

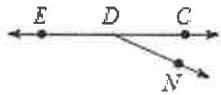
Corrective Assignment

NAME: _____

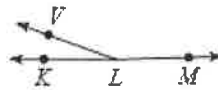
DATE: _____

ANGLE ADDITION POSTULATE

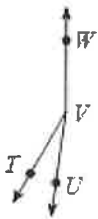
- 1) Find $m\angle CDN$ if $m\angle CDE = 180^\circ$
and $m\angle NDE = 156^\circ$.



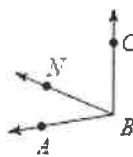
- 2) Find $m\angle KLV$ if $m\angle KLM = 178^\circ$
and $m\angle VLM = 158^\circ$.



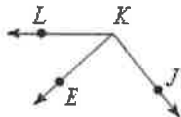
- 3) Find x if $m\angle UVT = 21x + 1$,
 $m\angle TVW = 149x + 1$, and $m\angle UVW = 172^\circ$.



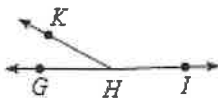
- 4) $m\angle ABC = 100^\circ$, $m\angle ABN = 2x + 13$,
and $m\angle NBC = 5x + 17$. Find x .



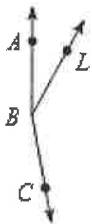
- 5) $m\angle JKE = x + 88$, $m\angle JKL = 129^\circ$,
and $m\angle EKL = 43 + x$. Find $m\angle JKE$.



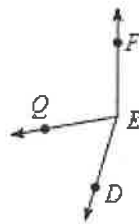
- 6) $m\angle KHI = x + 162$, $m\angle GHK = x + 40$,
and $m\angle GHI = 178^\circ$. Find $m\angle GHK$.



- 7) $m\angle ABL = 29^\circ$, $m\angle ABC = 23x + 8$,
and $m\angle LBC = 21x - 7$. Find $m\angle LBC$.



- 8) Find $m\angle QEF$ if $m\angle QEF = 19x + 5$,
 $m\angle DEF = 33x - 2$, and $m\angle DEQ = 63^\circ$.



SEGMENT ADDITION POSTULATE

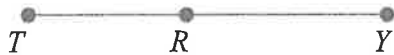
9.

Given

$$TR = 3x - 2$$

$$RY = 5x - 6$$

$$TY = 24$$



Find x

Find TR

10.

Given

$$UN = 3x - 2$$

$$FN = 6x + 4$$

$$FU = 15$$



Find x

Find FN

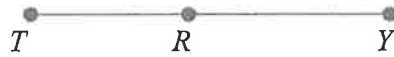
11.

Given

$$TR = 2x + 2$$

$$RY = 3x + 1$$

$$TY = 28$$



Find x

Find TR

12.

Given

$$UN = 4x$$

$$FN = 10x - 2$$

$$FU = 28$$



Find x

Find FN

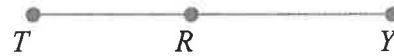
13.

Given

$$TR = 2x$$

$$RY = 4x - 1$$

$$TY = 23$$



Find x

Find TR

Answers for Corrective Assignment 1.4

1. 24°	2. 20°	3. $x = 1$	4. $x = 10$	5. 87°
6. 28°	7. 140°	8. 100°	9. $x = 4$ $TR = 10$	10. $x = 3$ $FN = 22$
11. $x = 5$ $TR = 12$	12. $x = 5$ $FN = 48$	13. $x = 4$ $TR = 8$		