

Geometry (G.CO.9)

Unit One B – Parallel Line Practice #1 (IC21)

Name: _____

Date: _____ Period: _____

Example #1: Using the diagram to the right, solve for:

a) $x = \underline{27^\circ}$

b) $y = \underline{55^\circ}$

c) $m\angle 1 = \underline{100^\circ}$

d) $m\angle 2 = \underline{80^\circ}$

e) $m\angle 3 = \underline{55^\circ}$

f) $m\angle 4 = \underline{80^\circ}$

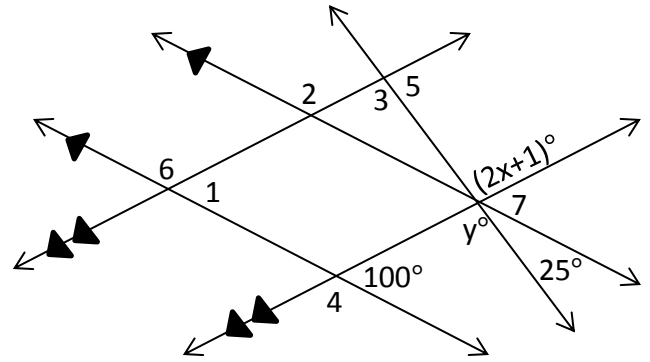
g) $m\angle 5 = \underline{125^\circ}$

h) $m\angle 6 = \underline{80^\circ}$

i) $m\angle 7 = \underline{100^\circ}$

$y + 25 + 100 = 180$
 $y = 55^\circ$

$2x + 1 = 55$
 $2x = 54$
 $x = 27^\circ$

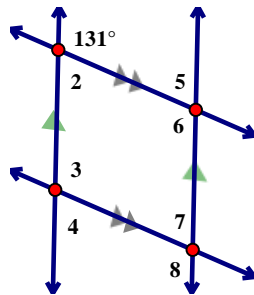


Example #2: Solve

a) $m\angle 2 = \underline{49^\circ}$

b) $m\angle 5 = \underline{49^\circ}$

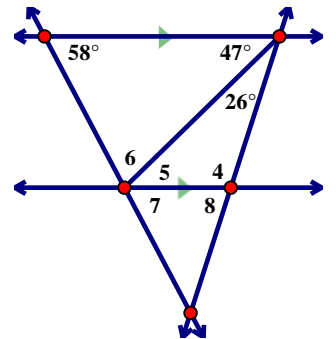
c) $m\angle 8 = \underline{131^\circ}$



Example #3: Solve

a) $m\angle 4 = \underline{107^\circ}$

b) $m\angle 8 = \underline{73^\circ}$

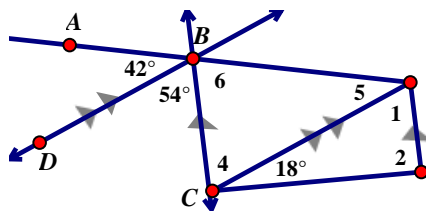


Example #4: Solve

a) $m\angle 6 = \underline{84^\circ}$

b) $m\angle 2 = \underline{108^\circ}$

c) $m\angle 4 = \underline{54^\circ}$



Example #5: Solve

a) $m\angle 4 = \underline{132^\circ}$

b) $m\angle 6 = \underline{48^\circ}$

c) $m\angle 2 = \underline{107^\circ}$

