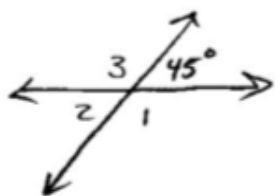


5-8-17

Aim: SWBAT find missing angle measurements and justify.

Do Now: Find the missing angles. Justify your reasoning.



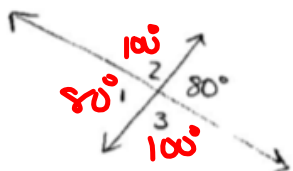
$m\angle 1: 135^\circ$ supp.
 $m\angle 2: 45^\circ$ vertical \angle 's
 $m\angle 3: 135^\circ$ are always \cong
supp. to the
given

HW: Pg. 407 # 24 - 25

Quiz Wednesday (Angle Relationships)

Final Review Packet due June 2

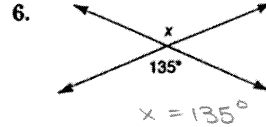
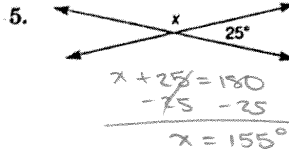
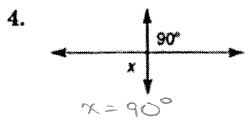
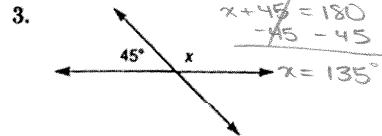
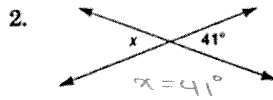
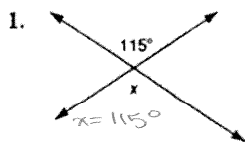
Find the missing angles. Justify your reasoning.



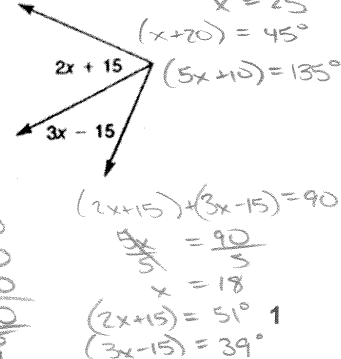
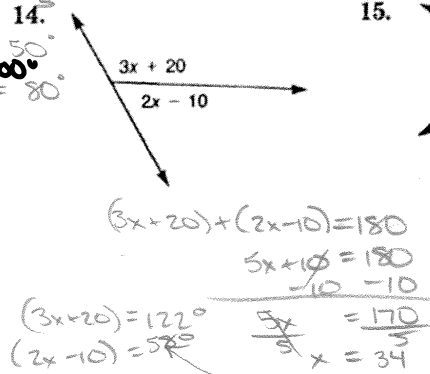
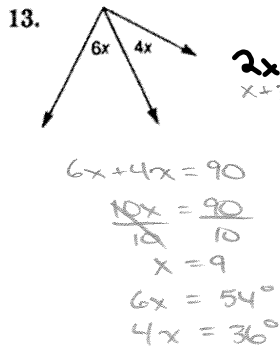
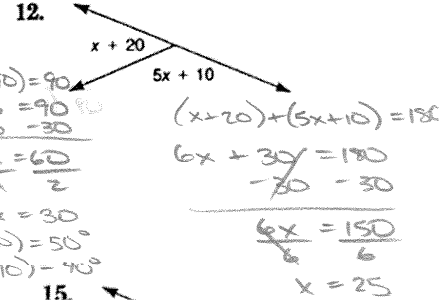
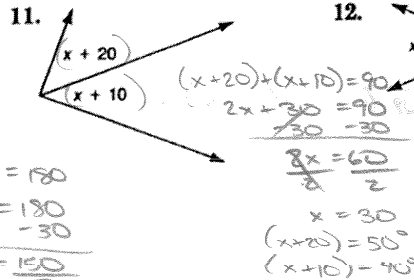
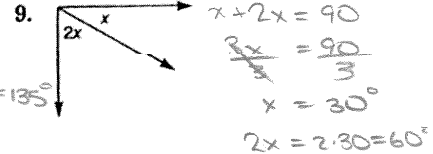
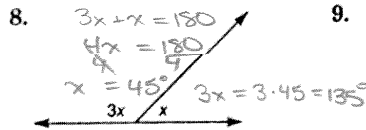
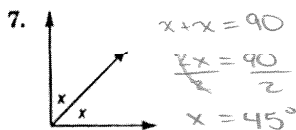
$m\angle 1 = 80^\circ$ Vertical \angle 's are always \cong
 $m\angle 2 = 100^\circ$ Supp. to the given
 $m\angle 3 = 100^\circ$ supp. to the given

Angle Relationships

Find the value of x in each figure.



Each of the following pairs of angles is either complementary or supplementary. Find the measure of each angle.



Which angles are across from each other?

Vertical

Adjacent

Which angles are next to each other?

Vertical

Adjacent

Which angles are always the same measures?

Vertical

Adjacent

Which type of angle relationship totals to 90 degrees?

Vertical

Adjacent

Complementary

Supplementary



Which type of angle relationship totals to 180 degrees?

Vertical

Adjacent

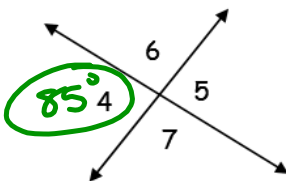
Complementary

Supplementary

Are adjacent angles always complementary or supplementary? Yes

No

Use the following diagram to answer the next set of questions.



Name 2 pairs of vertical angles. $\angle 4$ & $\angle 5$; $\angle 6$ & $\angle 7$

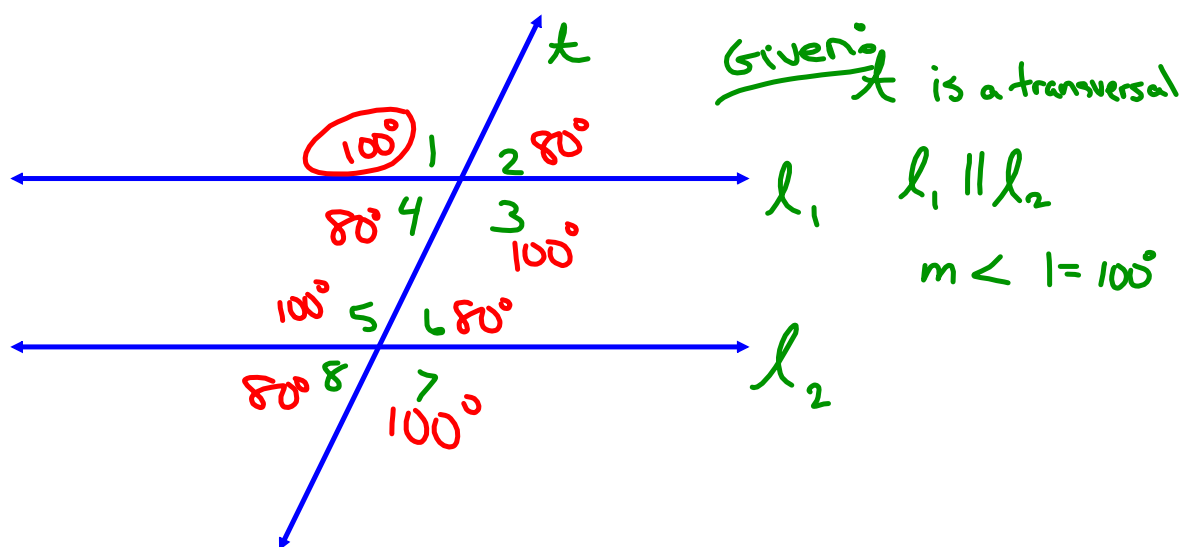
Name 4 pairs of adjacent angles. $\angle 6$ & $\angle 5$; $\angle 5$ & $\angle 7$; $\angle 7$ & $\angle 4$; $\angle 4$ & $\angle 6$

Name 4 pairs of supplementary angles. $\angle 6$ & $\angle 5$; $\angle 5$ & $\angle 7$; $\angle 7$ & $\angle 4$; $\angle 4$ & $\angle 6$

If $m\angle 4 = 85^\circ$, what is the measure of $\angle 6$? Why? 95° Supp.

If $m\angle 4 = 85^\circ$, what is the measure of $\angle 7$? Why? 95° Supp.

If $m\angle 4 = 85^\circ$, what is the measure of $\angle 5$? Why? 85° Vertical \angle s are always \cong



What are the measures of angles 5, 6, 7, and 8?