

Cornell Notes

Name Rachel Munton

Date 10/3/2011

Topic Geometry

Class/Subject Asberry Per 2

8:55
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9:55

Do Now

Worksheet: What does Snow
White drink for breakfast?

Substitute today
work on worksheets all class

HOMEWORK: Assignment #22 - 1-5/1-6 Practice worksheet

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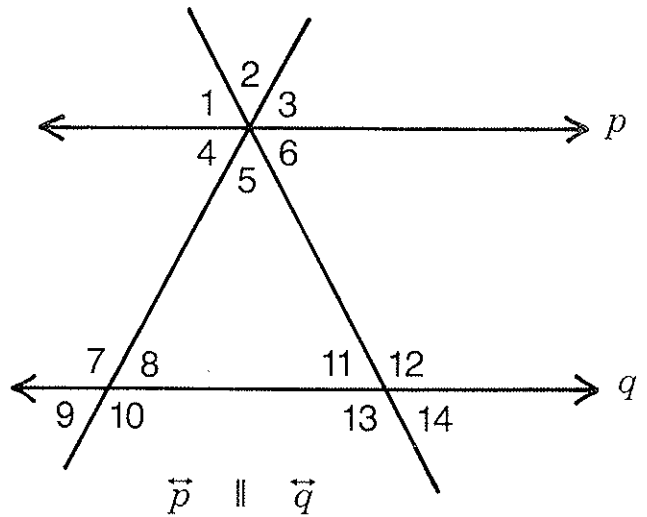
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What Does Snow White Drink For Breakfast?

For each given angle, find the congruent angle or angles on the right. When you find one, draw two straight lines, connecting the dot by each angle to the dot by the box that contains the basis for their congruence. The lines will cross a number and a letter. Put the letter in the matching numbered box or boxes at the bottom of the page.



$\angle 1$		Corresponding Angles	$\angle 4$
$\angle 2$	(10)	(S)	$\angle 5$
$\angle 3$	(7)	(O)	$\angle 7$
$\angle 6$	(3)	(M)	$\angle 10$
$\angle 8$	(9)	(R)	$\angle 11$
$\angle 9$	(5)	(E)	$\angle 12$
$\angle 1 + \angle 2$	(1)	(Y)	$\angle 13$
$\angle 5 + \angle 6$	(8)	(P)	$\angle 14$
	(10)	(G)	
	(2)	(U)	
	(4)	(I)	
	(12)	(A)	
	(11)	(V)	
		(N)	

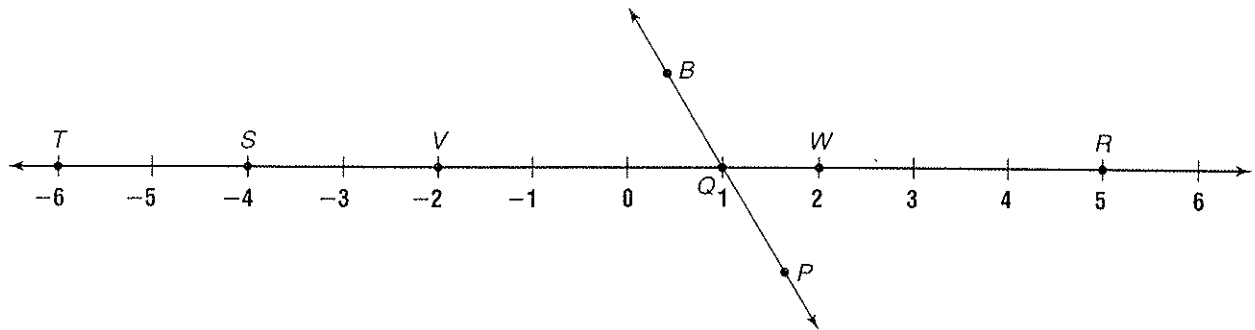
She Gets...

1	2	3	2	4	5	6	2	3	2	7	8	9	10	7	4	11	4	12
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Practice

Midpoints and Segment Congruence

Refer to the figure below for Exercises 1-8 to determine whether each statement is true or false.

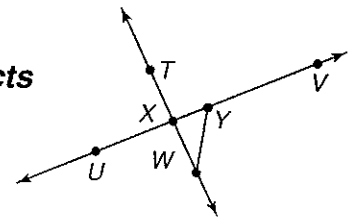


- \overline{PB} bisects \overline{RS} .
- S is the midpoint of \overline{TV} .
- $\overline{SV} \cong \overline{TS}$
- V is the midpoint of \overline{TW} .
- W bisects \overline{VR} .
- $\overline{WR} \cong \overline{QV}$
- \overline{SW} is longer than \overline{VR} .
- $VW \leq TV$

Given the coordinate of one endpoint of \overline{AB} and its midpoint M , find the coordinates of the other endpoint.

- $A(0, 9), M(2, 5)$
- $B(-5, 1), M(1, -1)$
- $A(-2, 3), M(0.5, 0.5)$
- $A(4, 2), M(-2, 10)$

In the figure at the right, \overline{WY} bisects \overline{UV} at Y and \overline{UY} bisects \overline{TW} at X . For each situation, find the value of x and the measure of the indicated segment.



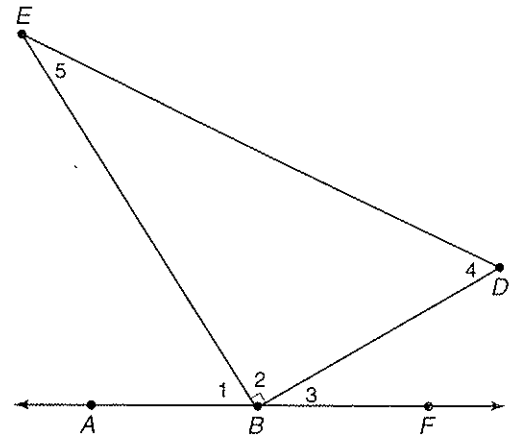
- $UY = 4x - 3, YV = x; UV$
- $UV = x + 6, UY = x - 1; YV$
- $TX = 2x + 1, XW = x + 7; TW$
- $WX = x + 5, TW = 4x + 5; TX$

Practice

Exploring Angles

Refer to the figure at the right to answer each question.

1. Give another name for $\angle 1$.
2. Name the vertex of $\angle EBD$.
3. Does $\angle ABE$ appear to be acute, obtuse, right, or straight?
4. If $m\angle DBF = 35$, what is the measure of $\angle EBF$?
5. Name a pair of opposite rays.
6. Name a point in the interior of $\angle EBF$.
7. Name three angles with \overline{BE} as a side?



In the figure, \overrightarrow{XP} and \overrightarrow{XT} are opposite rays and \overrightarrow{XQ} bisects $\angle PXS$. For each situation, find the value of x and the measure of the indicated angle.

8. $m\angle SXT = 4x + 1$, $m\angle QXS = 2x - 2$,
 $m\angle QXT = 125$; $m\angle QXS$
9. $m\angle PXR = 3x$, $m\angle RXT = 5x + 20$, $m\angle RXT$
10. $m\angle RXQ = x + 15$, $m\angle RXS = 5x - 7$,
 $m\angle QXS = 3x + 5$; $m\angle RXS$
11. $m\angle RXQ = 2x + 7$, $m\angle RXP = 3x - 11$,
 $m\angle PXS = x + 37$; $m\angle QXS$
12. $m\angle TXS = x + 3$, $m\angle SXR = 2x + 9$, $m\angle RXP = 4x - 7$;
 $m\angle PXS$

