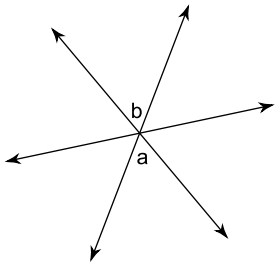
CCM 3 Name_____

Unit 1B - Day 7 Review

Date_____ Period____

Name the relationship: complementary, linear pair, vertical, adjacent, alternate interior, corresponding, or alternate exterior.

1)



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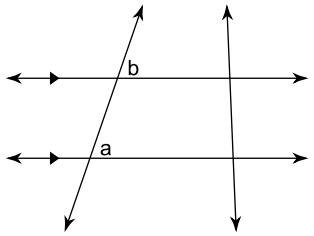

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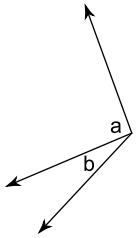

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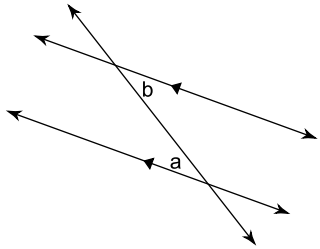

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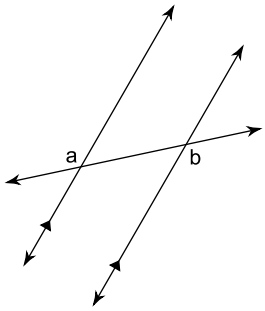
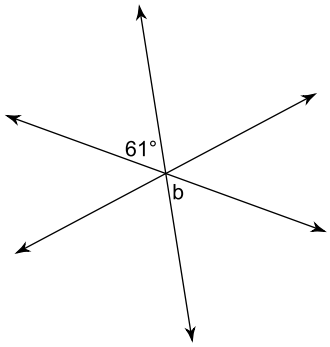


Find the measure of angle b.

6)



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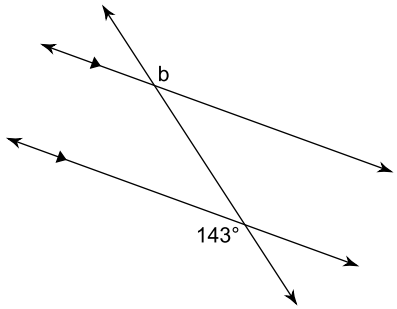

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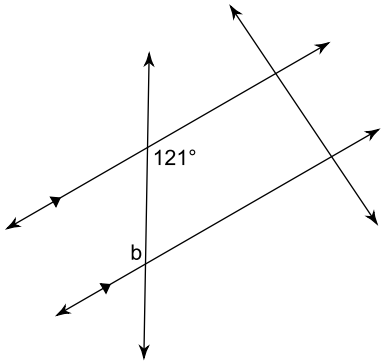

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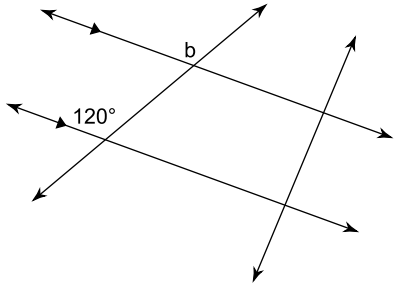

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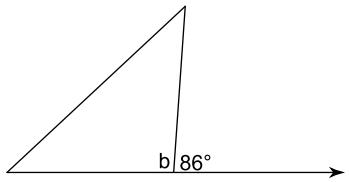
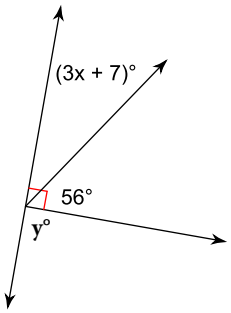


Find the value of x and y.

11)



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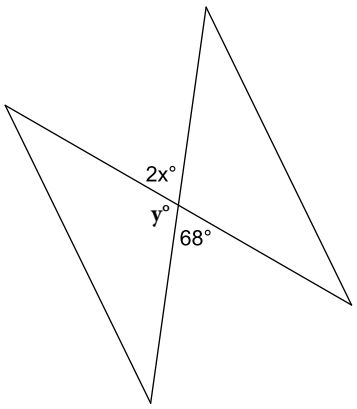

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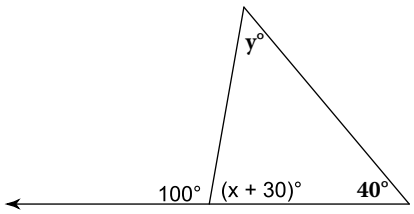

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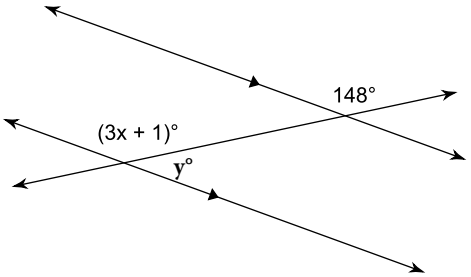

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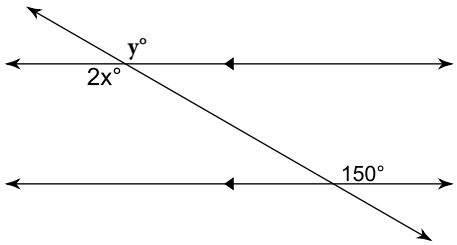
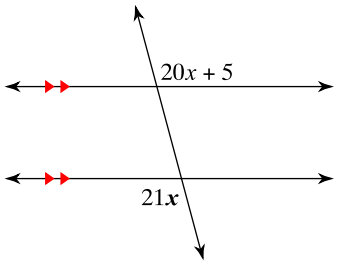


Name the relationship and find the measure of the angle indicated in bold.

16)



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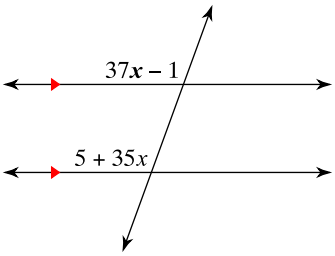

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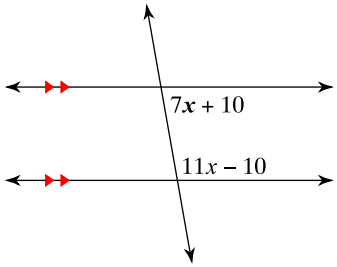

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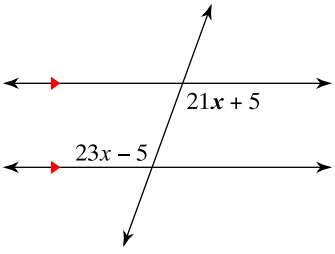

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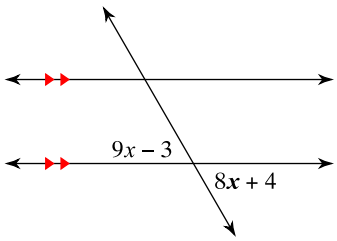

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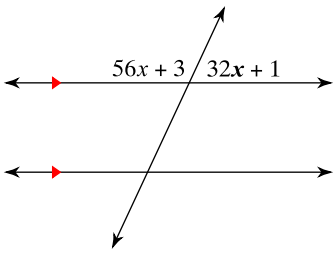

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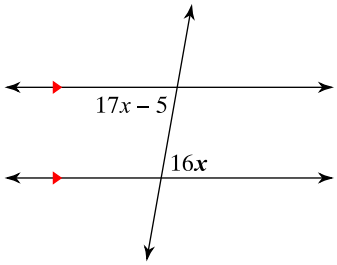

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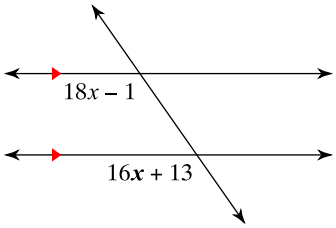
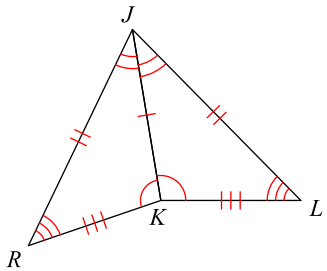


Write a triangle congruence statement.

24)



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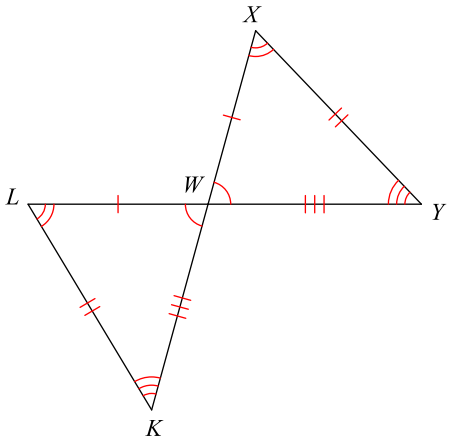

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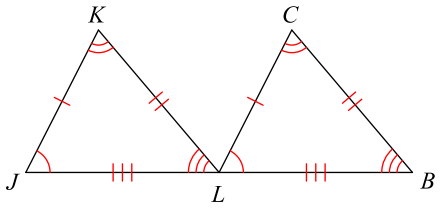
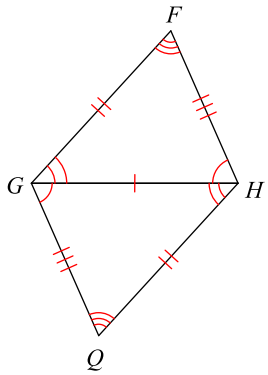
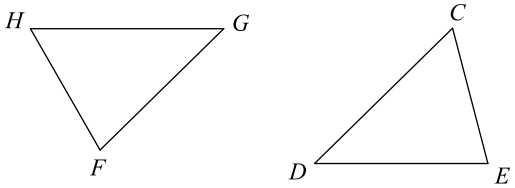


27)

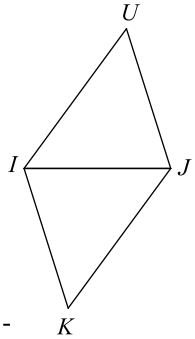


Mark the angles and sides of each pair of triangles to indicate that they are congruent.

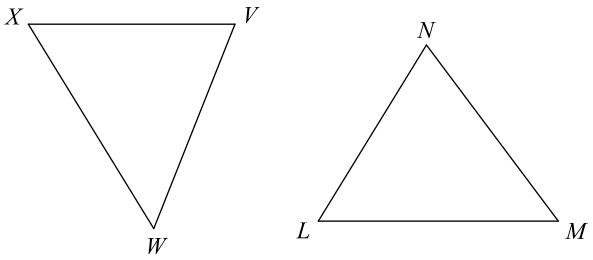
28) $\triangle HGF \cong \triangle CDE$



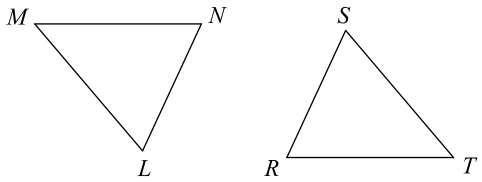
29) $\triangle IJK \cong \triangle JIU$



30) $\triangle VWX \cong \triangle NML$

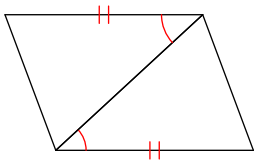


31) $\triangle NLM \cong \triangle RST$

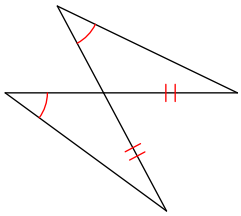


State if the two triangles are congruent. If they are, state how you know.

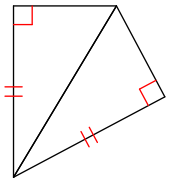
32)



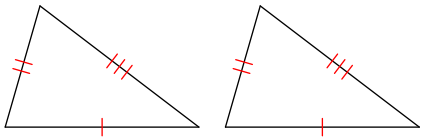
33)



34)



35)



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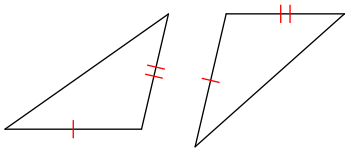
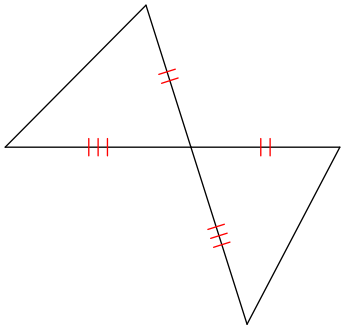
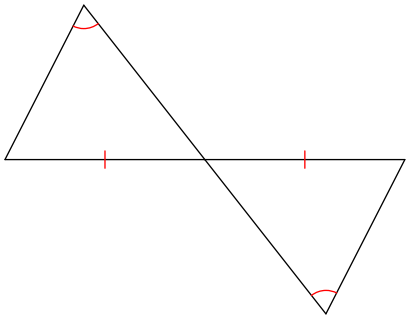


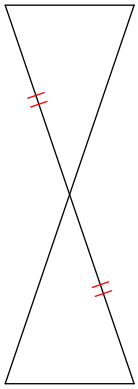
37)



38)

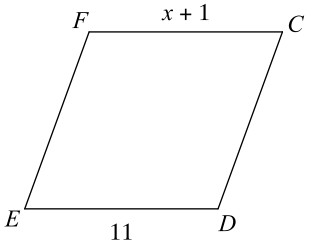


39)

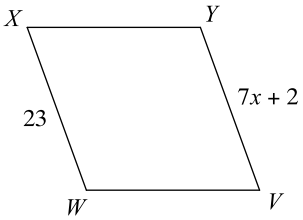


Solve for *x*. Each figure is a parallelogram.

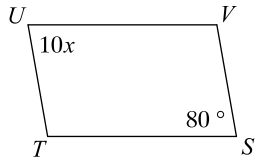
40)



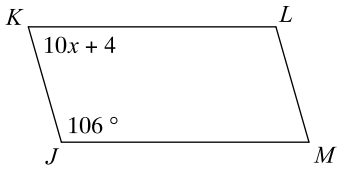
41)



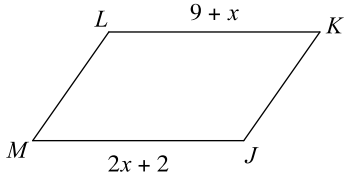
42)



43)

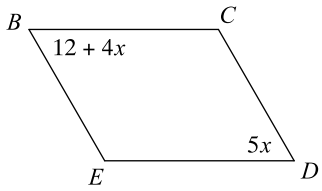


44)

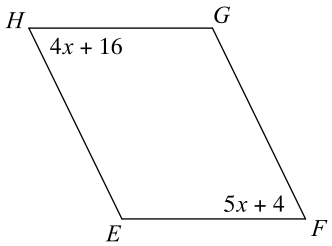


Find the measurement indicated in each parallelogram.

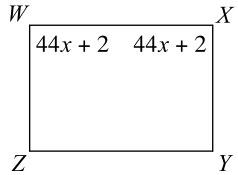
45) Find $m\angle E$



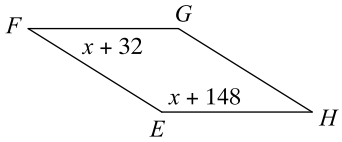
46) Find $m\angle G$



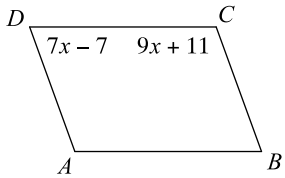
47) Find $m\angle Y$



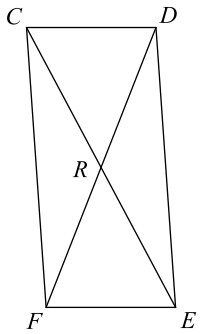
48) Find $m\angle H$



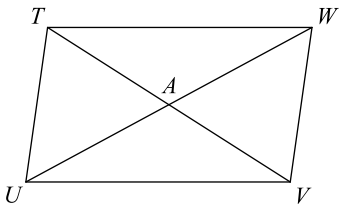
49) Find $m\angle D$



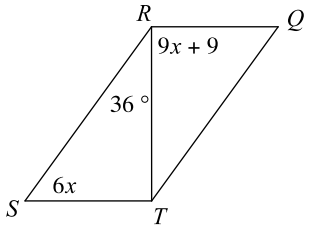
50) $DR = 2x - 2$
$RF = x + 6$
Find DF



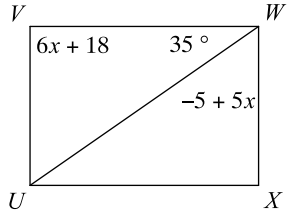
51) $VA = x + 12$
$AT = 3x - 12$
Find VA



52) Find $m\angle S$

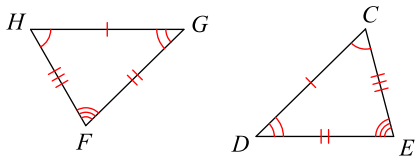


53) Find $m\angle UWX$

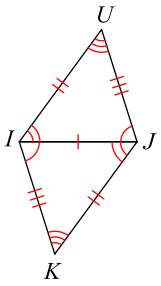


Answers to Unit 1B - Day 7 Review

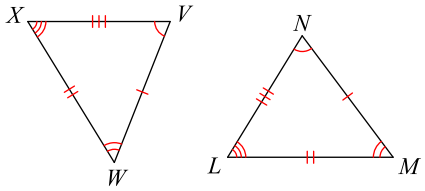
1) vertical
2) corresponding
3) adjacent
4) alternate interior
5) alternate exterior
6) 61°
7) 143°
8) 121°
9) 120°
10) 94°
11) 9
12) 34
13) 50
14) 49
15) 75
16) 105°
17) 110°
18) 80°
19) 110°
20) 60°
21) 65°
22) 80°
23) 125°
24) $\triangle KJL \cong \triangle KJR$
25) $\triangle WXY \cong \triangle WLK$
26) $\triangle JKL \cong \triangle LCB$
27) $\triangle HGF \cong \triangle GHQ$
28)



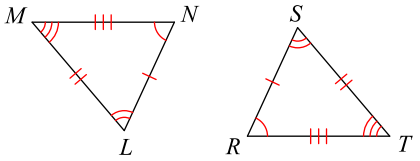
29)



30)



31)



32) SAS
33) AAS
34) HL
35) SSS
36) Not congruent
37) SAS
38) AAS
39) Not congruent
40) 10
41) 3
42) 8
43) 7
44) 7
45) 120°
46) 116°
47) 90°
48) 32°
49) 70°
50) 28
51) 24
52) 54°
53) 55°