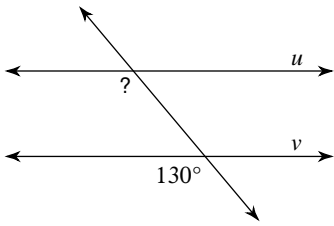


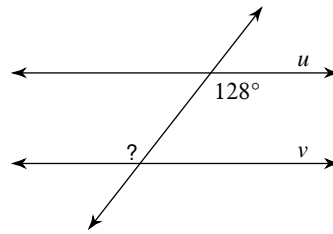
Proving Lines Parallel

Find the measure of the indicated angle that makes lines u and v parallel.

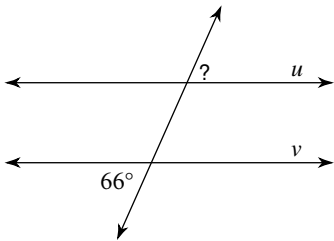
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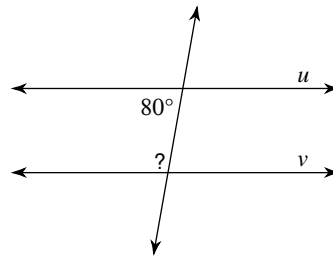
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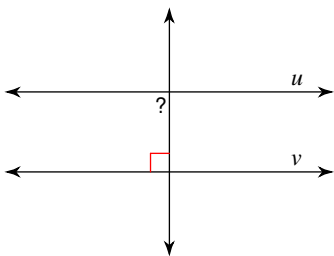
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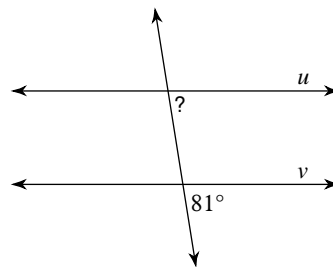
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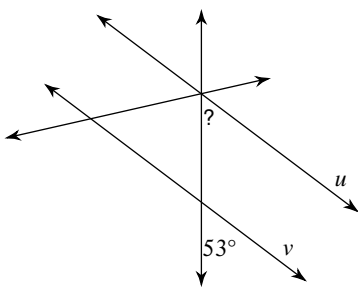
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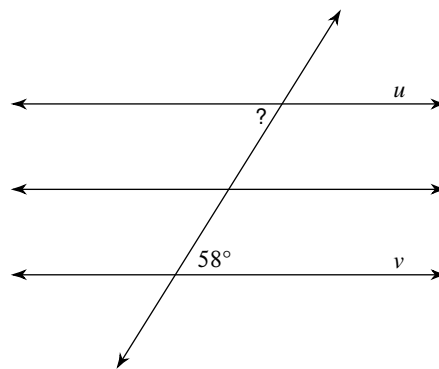
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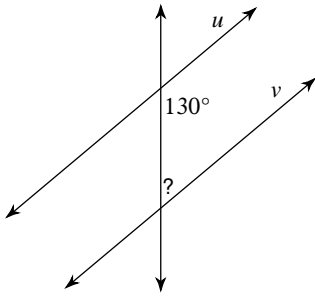
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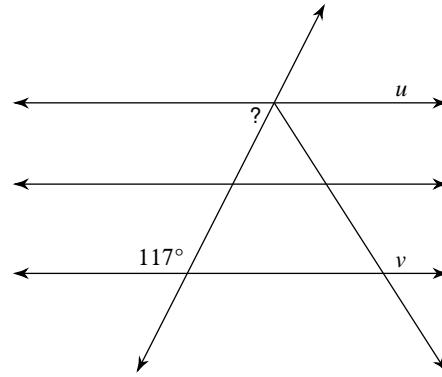
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9)

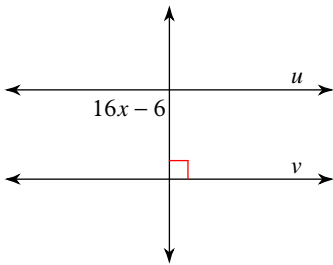


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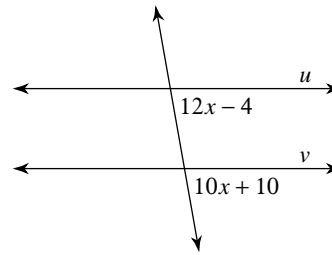


Find the value of x that makes lines u and v parallel.

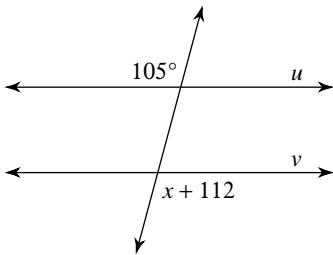
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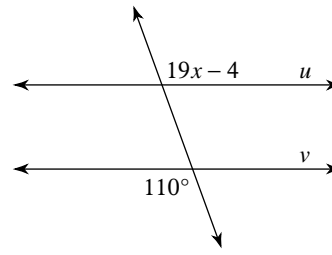
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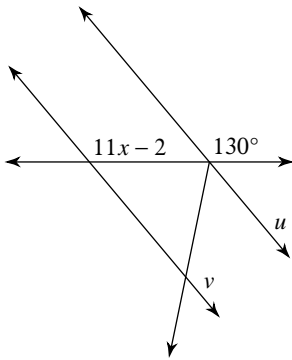
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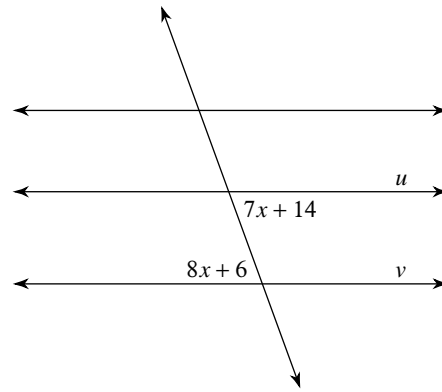
14)



15)



16)



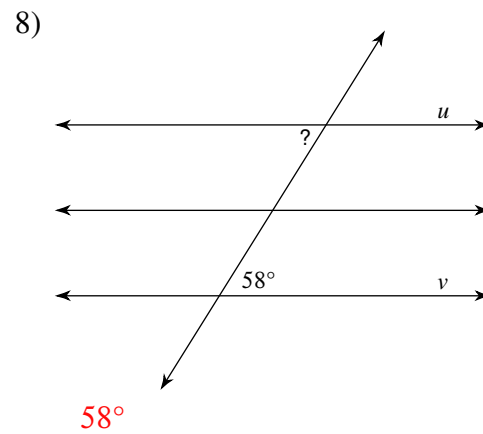
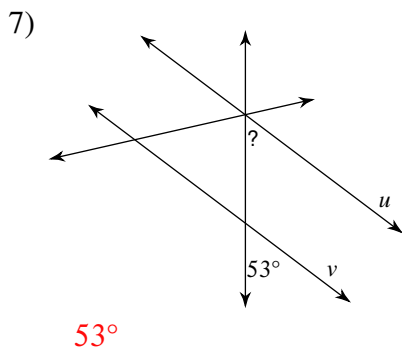
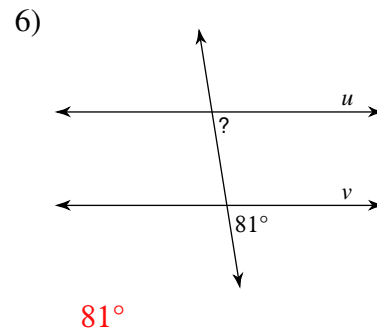
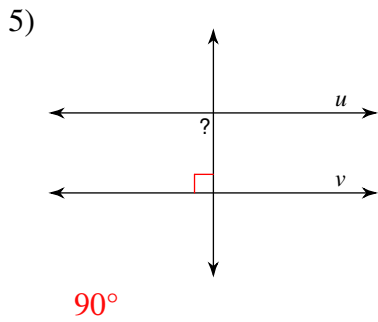
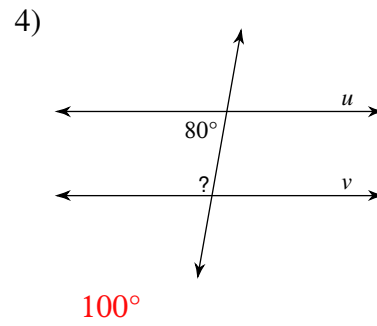
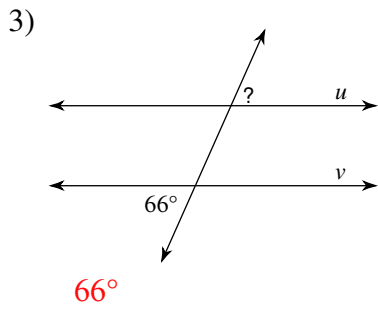
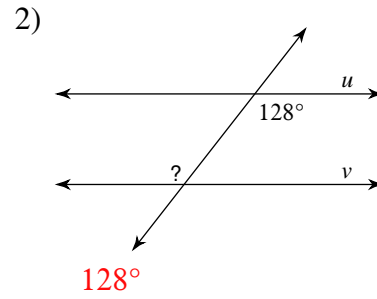
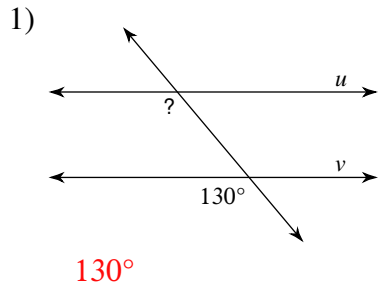
Critical thinking questions:

17) For question #16, find a value of x that makes lines u and v intersect.

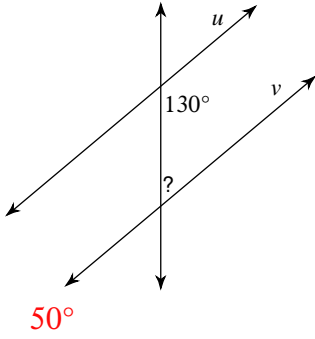
18) Even if the lines in question #16 were not parallel, could $x = 25$? Why or why not?

Proving Lines Parallel

Find the measure of the indicated angle that makes lines u and v parallel.

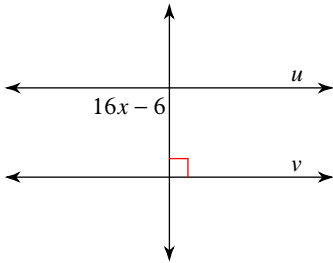


9)



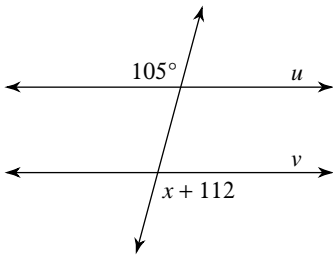
Find the value of x that makes lines u and v parallel.

11)



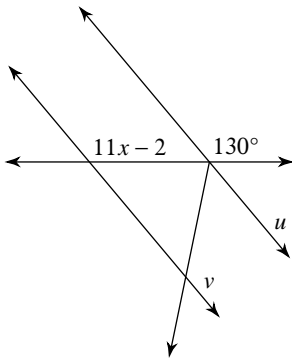
6

13)



-7

15)



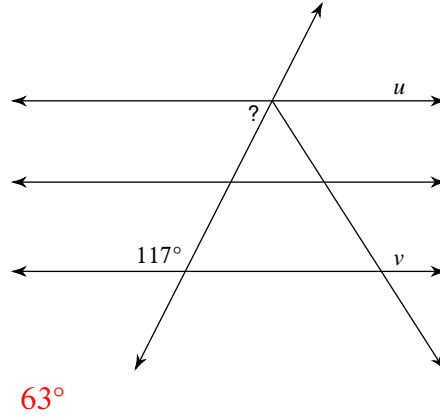
12

Critical thinking questions:

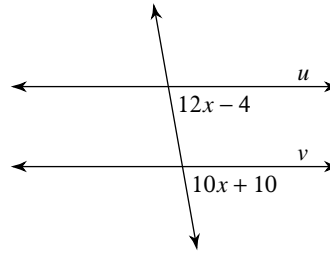
17) For question #16, find a value of x that makes lines u and v intersect.

Any value other than 8. Ideally $0 \leq x \leq 10$

10)

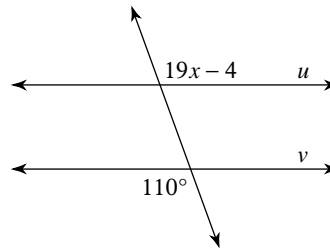


12)



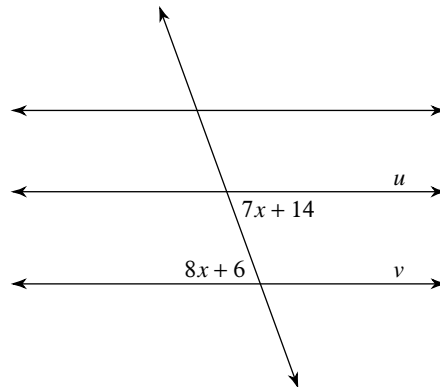
7

14)



6

16)



8

18) Even if the lines in question #16 were not parallel, could $x = 25$? Why or why not?

No, that would make the angles 189° and 206° .