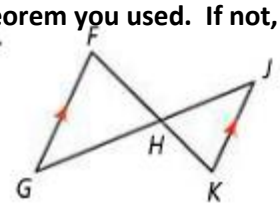
Name_____ Geometry p. 455: 7-12, 18-20, 24-26, 37

Determine whether the triangles are similar. If so, write a similarity statement and justify with the postulate or theorem you used. If not, explain.

7.



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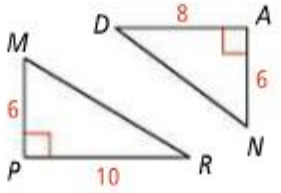

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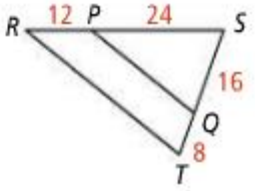

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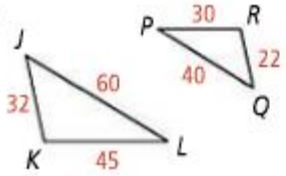

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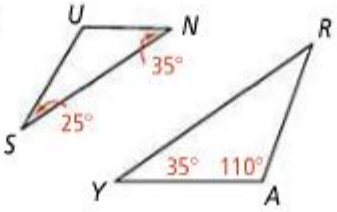

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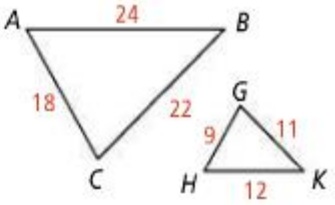

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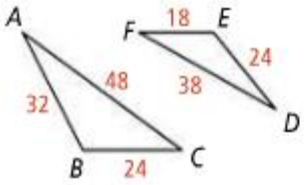
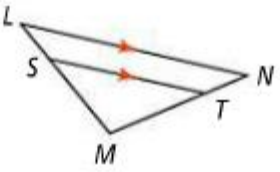
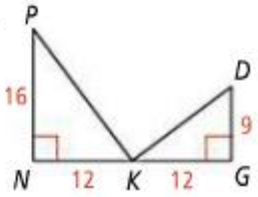


19.

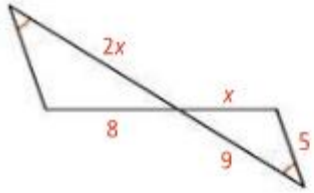


20.



For each pair of similar triangles, find the value of x.

24.



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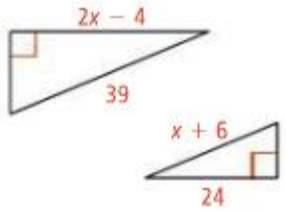
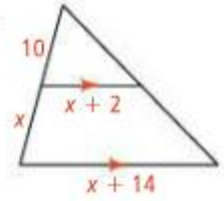


26.



Standardized Test Prep:

37. Complete the statement $\triangle ABC \sim$ ___?___. By which postulate or theorem are the triangles similar?

(A) $\triangle AKN$; SSS $\sim$ (C) $\triangle ANK$; SAS $\sim$

(B) $\triangle AKN$; SAS $\sim$ (D) $\triangle ANK$; AA $\sim$