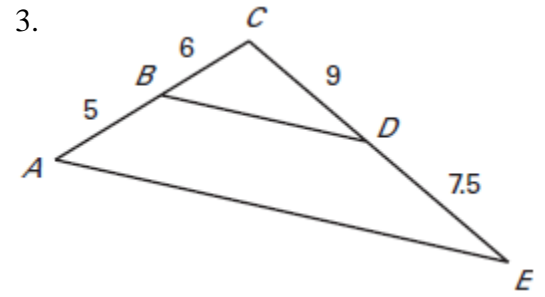
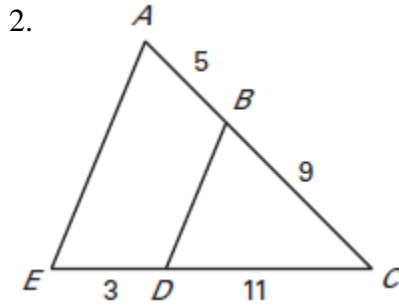
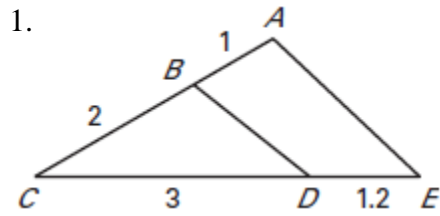
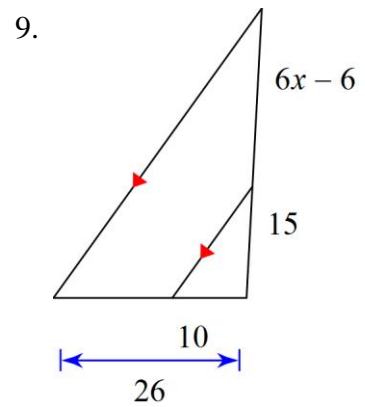
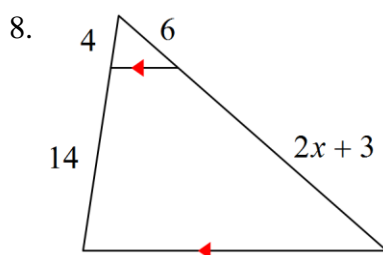
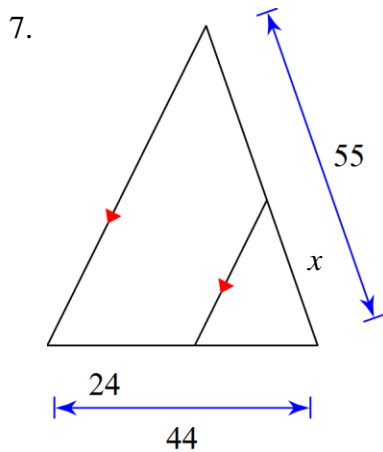
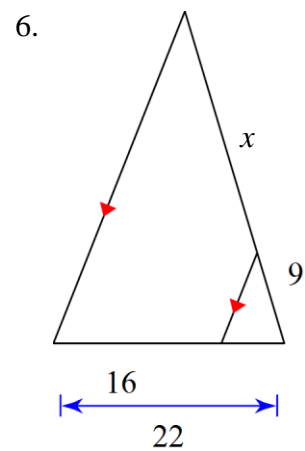
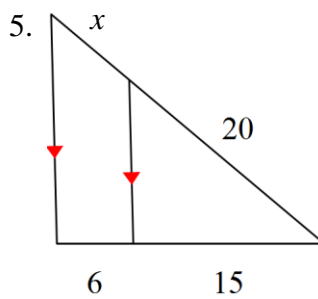
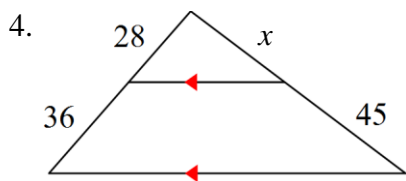


Use the given information to determine whether $\overline{BD} \parallel \overline{AE}$.



Find the value of x .



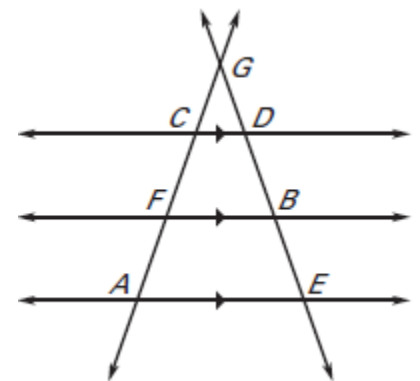
Use the figure to complete the proportion.

10. $\frac{AF}{CG} = \frac{EB}{\quad}$

11. $\frac{GB}{BE} = \frac{\quad}{FA}$

12. $\frac{CD}{FB} = \frac{GD}{\quad}$

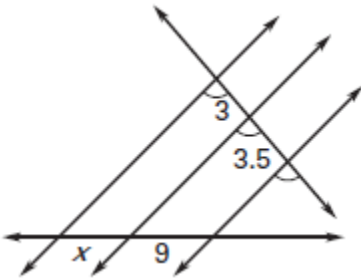
13. $\frac{AG}{FG} = \frac{\quad}{FB}$



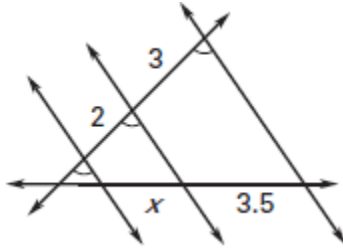
Proportions & Similar Triangles #1

Find the value of x .

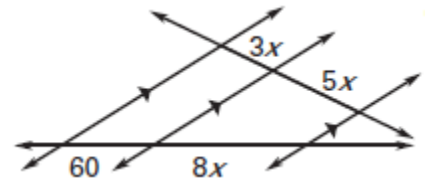
14.



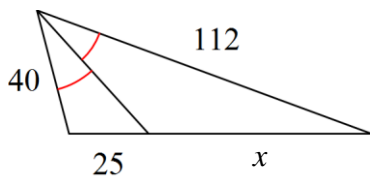
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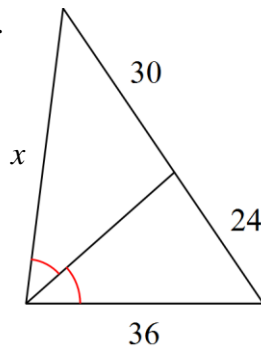
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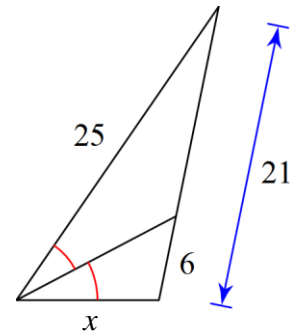
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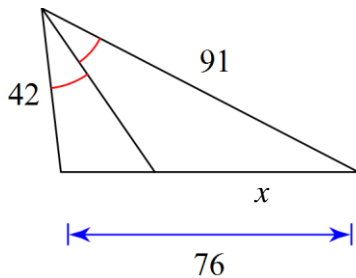
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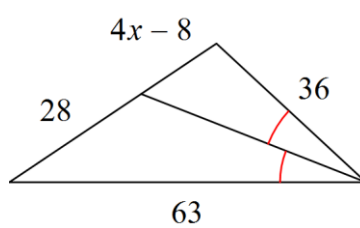
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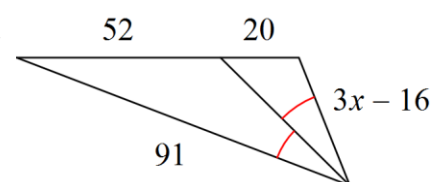
20.



21.



22.



Use the diagram of $\triangle ABC$ where D , E , and F are the midpoints of the sides.

23. If $EF = 6.5x - 10$ and $AB = 3x + 20$, then find AB .

24. If $DF = 3.5x + 6$ and $BC = 3x + 36$, then find DF .

