Ch 7.5 Midsegment Theorem
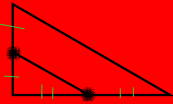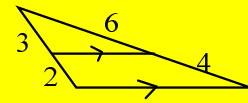
Midsement of a Triangle - is a segment that connects the midpoints of 2 sides of a traingle.

Midsegment Theorem- the midsegment is half as long as the leg that is parallel to the midsegment.

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Triangle Proportionality Theorem- If a line parallel to one side of a triangle intersects the other two sides then it divides the two sides proportionally.
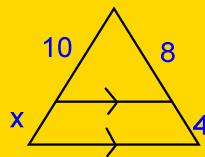

Converse of the Triangle Proportionality Theorem-
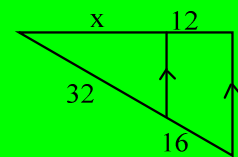If a line divides two sides proportionality, then it is parallel.
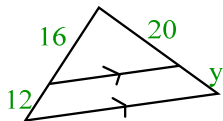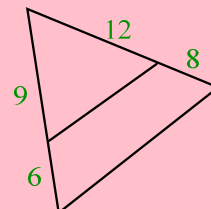
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Ex1a) find x:

Feb 14-3:16 PM

Ex1b) Find x:

Feb 14-3:11 PM
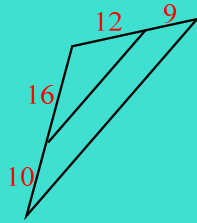
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1   What is y?

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Ex2a) Determine if parallel:

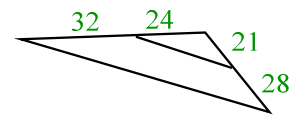Feb 14-3:17 PM

Ex2b) Determine if parallel:

12   9

16

10

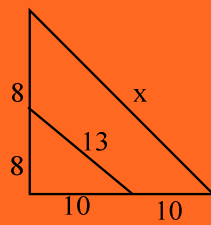---

2   Are the lines parallel?

Yes

No

32   24   21

28

Ex3a) Find x.

8   x

8   13

10   10

Ex3b) Find x.

5   12

5   y

7   7

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3   What is x?

x

16