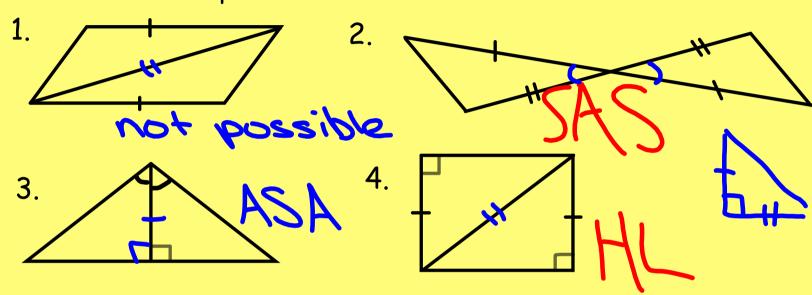
5.1 midsegments.notebook November 14, 2019

## 11/14/19 - Warm Up Problem

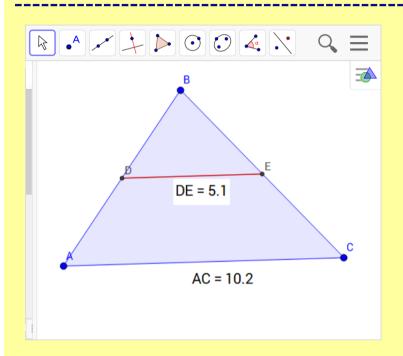
Is each pair of triangles congruent? If yes, name the postulate or theorem that proves it.



5.1 midsegments.notebook November 14, 2019

# Section 5.1 - Midsegment Theorem

Goal: identify and use properties of midsegments

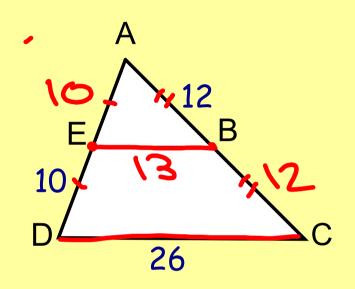


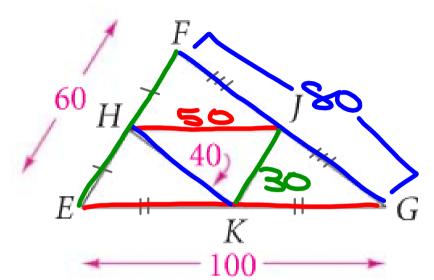
Midsegment: A segment that connects the midpoints of two sides of a triangle

### Midsegment Theorem

If a segment joins the midpoints of two sides of a triangle, then the segment is <u>parallel</u> to the third side and <u>raif</u> its <u>knath</u>.

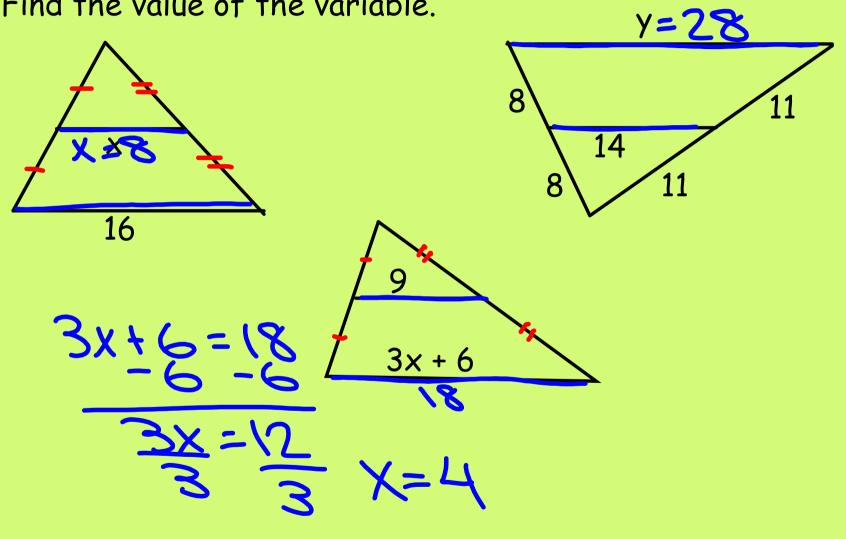
Find the length of each side of the triangles and each midsegment.





# Using Midsegments

Find the value of the variable.



#### Assignment:

#### Concept 11 Worksheet (1-12)

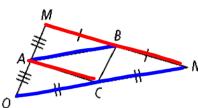
#### - due Friday 11/22

#### MIDSEGMENTS

 $Find \ 3 \ different \ pairs \ of \ parallel \ segments \ on \ the \ figure \ below.$ 

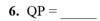
Fill in the blanks with the names of the segments.

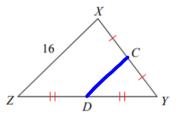


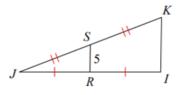


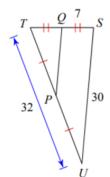
Find the length of the segment.

4. 
$$CD = \frac{8}{100}$$









Points M, N, and P are the midpoints of the sides of  $\triangle QRS$ . QR = 30, RS = 30, and SQ = 18.

**10.** 
$$MQ =$$

**9.** 
$$PN =$$

