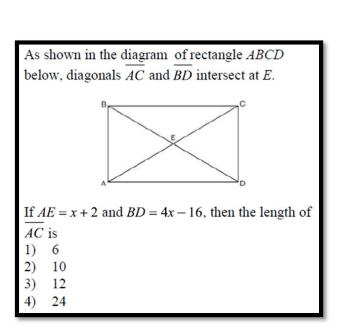
Unit 6 – Quadrilaterals - Review

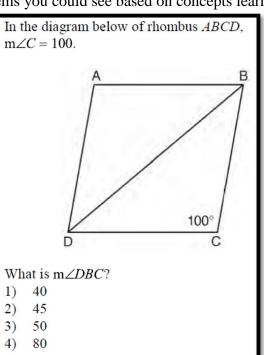
Summary of Unit:

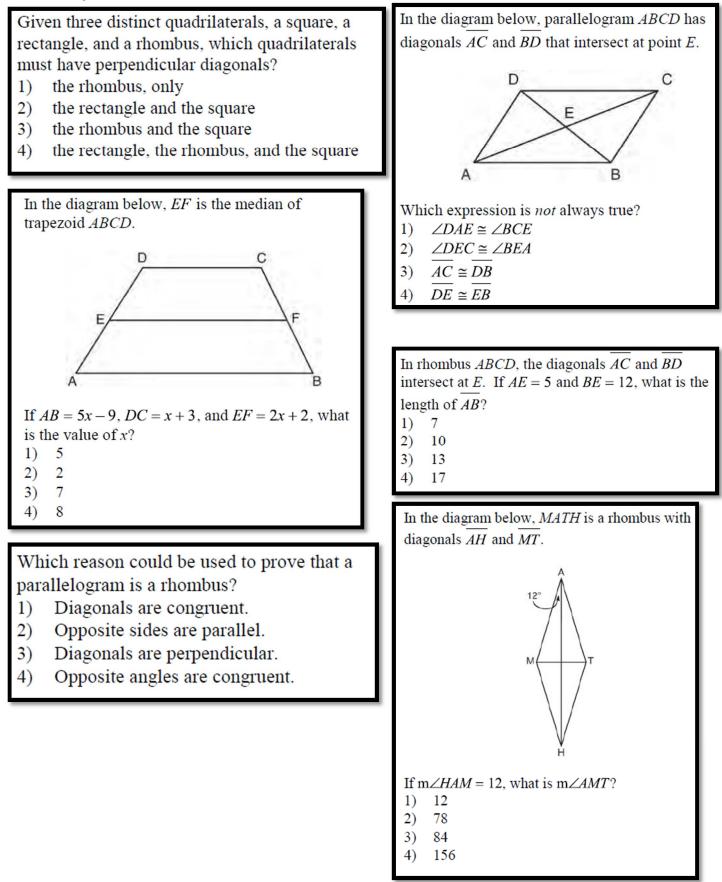
In our most recent unit we worked with different quadrilaterals and learned their different properties. Make sure you know the distance formula, midpoint formula and slope for these questions! Below are a few terms that you need to commit to your memory for your final.

Term	Definition
Quadrilateral	
Quadrilateral	
Parallelogram	
Discourt	
Diagonal	
Rectangle	
1	
D1 1	
Rhombus	
Square	
Square	
Trapezoid	
-	
Isosceles Trapezoid	
isosceles frapezoiu	
Midsegment	
8	
V:4a	
Kite	

Below are some examples of multiple choice type problems you could see based on concepts learned in unit 6.







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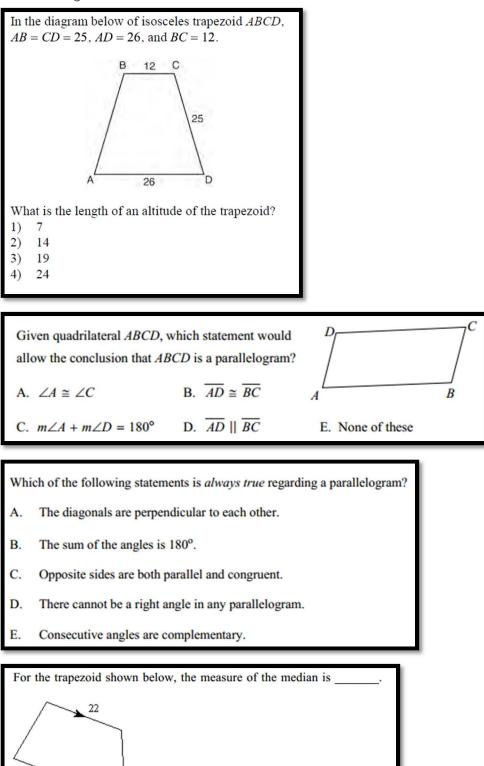
a. 29 b. 58

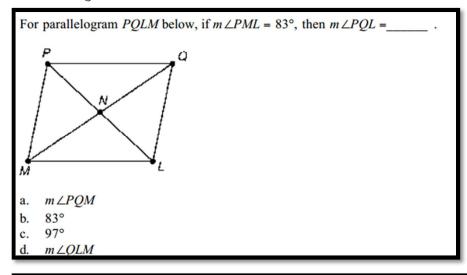
58 25

30

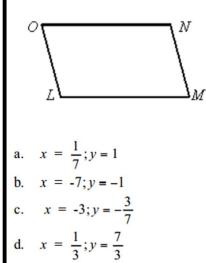
c.

d.

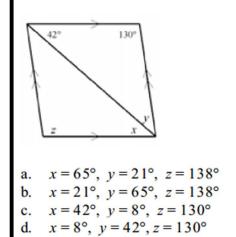


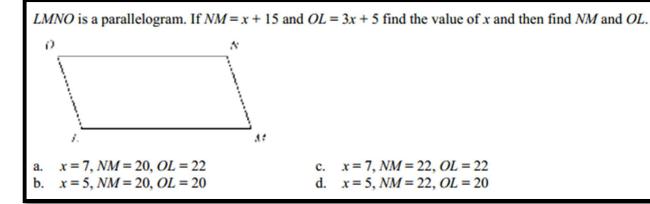


If ON = 6x - 2, LM = 7x + 5, NM = x + 4, and OL = 7y + 4, find the values of x and y given that *LMNO* is a parallelogram.

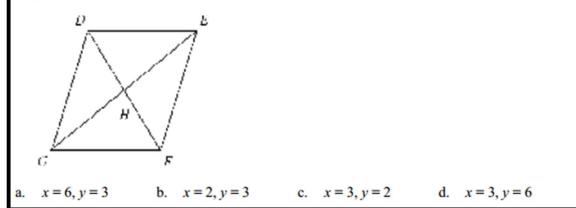


Find the value of the variables in the parallelogram.





In parallelogram *DEFG*, DH = x + 3, HF = 3y, GH = 4x - 5, and HE = 2y + 3. Find the values of x and y. The diagram is not to scale.



Lucinda wants to build a square sandbox, but has no way of measuring angles. Explain how she can make sure that the sandbox is square by only measuring length.

- a. Arrange four equal-length sides so the diagonals bisect each other.
- b. Arrange four equal-length sides so the diagonals are equal lengths also.
- c. Make each diagonal the same length as four equal-length sides.
- d. Not possible; Lucinda has to be able to measure a right angle.

Which description does NOT guarantee that a quadrilateral is a parallelogram?

- a. a quadrilateral with both pairs of opposite sides congruent
- b. a quadrilateral with the diagonals bisecting each other
- c. a quadrilateral with consecutive angles supplementary
- d. quadrilateral with two opposite sides parallel