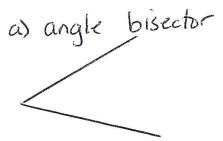
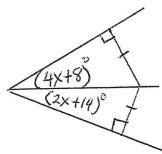
Math 2 Unit 6 Review #1

1. Use a Compass and Straightedge to construct:

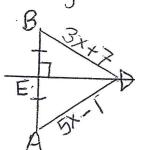


6) perpendicular bisector

2. Find m L DAC

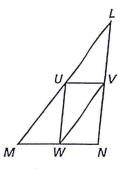


3. Find the length of BD

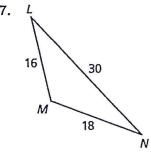


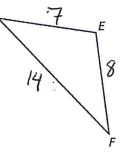
n Exercises 5–8, use triangle LMN where U, V, and W are the midpoints of the sides.

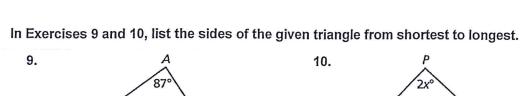
- 5. When LV = 9, what is UW? When MN = 12 what is UV?
- 6. When LU = 2(x-5) and VW = 8 x, what is LM?

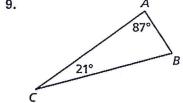


1 Exercises 7 and 8, list the angles of the given triangle from smallest to largest.









In Exercises 11 and 12, is it possible to construct a triangle with the given side lengths? Justify your answer using a compound inequality.

**11.** 15, 37, 53

**12.** 9, 16, 8

In Exercises # 13 and 14, give the possible values, x, for the third side of triangle given the first two sides as shown below. Use a compound inequality to justify your answers.

13. 5m and 12m

14. 18 ft. and 17 ft.

In Exercises # 15 and #16, find the midpoint of the segment with the given endpoints AND find the length of the segment.

15. J(-8,0) K(1,4)

16. C(-2,2) D(0,-4)

Midpoint of JK

Midpoint of CD

Length of JK (distance)

Length of CD (distance)

## 17. Complete the two-column proof.

Given: allb, clld	
Prove: LI = L3	ı
Statements	reasons
	1,
2. 215/2	2
3	3. IF//, then alt ext 2s =
U	4,

