

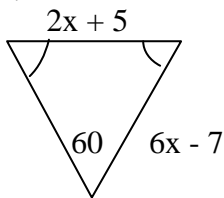
Honors Geometry Chapter 4 Review

1. Know the definitions of scalene, isosceles, and equilateral triangles.
2. Know all the ways to prove triangles congruent: SSS, SAS, ASA, AAS, HL, HA, LL, LA
3. Be able to identify the median, altitude and perpendicular bisector.
4. Know how to do problems similar to:
 - p. 137 1-8
 - p. 138 23, 24
 - p. 146 Self Test 2 1-3
5. Know how to prove something using:
 - a) Isosceles triangle theorem ****study p.137 # 10, 13, 14**
 - b) More than 1 pair of congruent triangles ****study proofs we did in class**
 - c) Using CPCTC
6. Review parallel line problems and external angle of a triangle = to sum of 2 remote interior

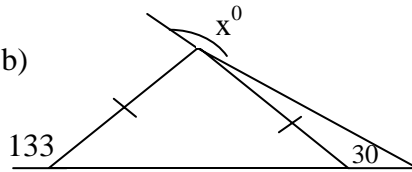
Sample Problems:

7. Find x :

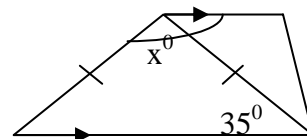
a)



b)

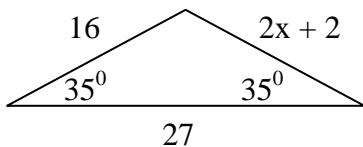


c)

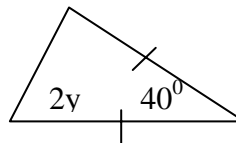


8. Find x and or y :

a)



b)



Answers:

7. a) 3 b) 163 c) 145
 8. a) $x = 7$ b) $y = 35$