∠ Practice

Form G

Isosceles and Equilateral Triangles

Complete each statement. Explain why it is true.

- ∠DBC = ? = ∠CDB
 ∠BCD; all the angles of an equilateral triangle are congruent.
- congruent.
 2. ∠BED = _?_
 ∠BDE; the base angles of an isosceles triangle are congruent.
 3. ∠FED = _?_ = ∠DFE
- ∠EDF; all the angles of an equilateral triangle are congruent.

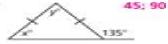


Algebra Find the values of x and y.

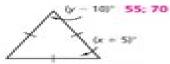
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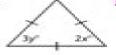
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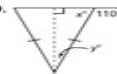
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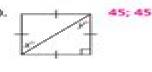
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30; 20



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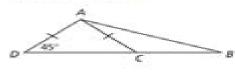


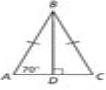
Use the properties of isosceles and equilateral triangles to find the measure of the indicated angle.

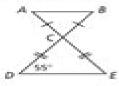
11. m \(ACB \) 135

12. m∠DBC 20

13. m.C.ABC 55







14. Equilateral △ABC and isosceles △DBC share side BC. If m∠BDC = 34 and BD = BC, what is the measure of ∠ABD? (Hint: it may help to draw the figure described.) 172

Practice 4 5 Isosceles And Equilateral Triangles

Jin-Ying Zhang

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