∠ 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.

5...



6.



7.



8.



30; 20



. \ □ x°/110° → 70; 20 10.



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

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Xiang Xie

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