

Classify each triangle as *equilateral*, *isosceles*, or *scalene*.

3.  $\triangle ABD$

*equilateral*

4.  $\triangle BED$

*Isosceles*



For the triangle, find  $x$  and the measure of each side.

5.  $\triangle LMN$  is an isosceles triangle, with  $LM = LN$ ,  $LM = 3x - 2$ ,  $LN = 2x + 1$ , and  $MN = 5x - 2$ .



$$3x - 2 = 2x + 1$$

$$x = 3$$

#### 4.2 - Triangle Angle Sum (180 rule)

Find each measure.

6.  $m\angle 1$

$$180 - 101 = 79 \quad 180 - 76 = 104$$

7.  $m\angle 4$

$$180 - (65 + 70) = 45$$

8.  $m\angle 3$

$$180 - 115 = 65$$

9.  $m\angle 2$

$$36 + 65 = 101$$

*79*



#### 4.3 Congruent Triangles

Show that the triangles are congruent by identifying all congruent corresponding parts. Then write a congruence statement for the triangles.

10.



$$\begin{aligned} \overline{MN} &\cong \overline{PN} \\ \overline{ML} &\cong \overline{PQ} \\ \overline{LN} &\cong \overline{QN} \end{aligned}$$

$$\begin{aligned} \angle M &\cong \angle P \\ \angle L &\cong \angle Q \\ \angle MNL &\cong \angle PNQ \end{aligned}$$

$$\triangle MNL \cong \triangle PNQ$$

#### 4.4 - 4.5 Congruence Shortcuts

Identify the postulate or shortcut that can be used to prove the triangles are congruent.

11.



*SAS*

12.



*SSS*

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**Geraldine Woods**



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He is a math tutor and writer with over 25 years of professional experience Zegarelli has written numerous Dummies books including LSAT Logic Games For Dummies and Basic Math Pre Algebra Workbook For Dummies **SAT Math Test Prep** Reza Nazari,2021-07-28 Everything You Need to Ace the SAT Math Test 2021 Are you preparing for the SAT Math Looking for the best SAT Math Prep book to help you succeed on the test Not sure if you re ready to take the test Don t worry SAT Math Test Prep has you covered SAT Math Test Prep which reflects the 2021 test guidelines is a comprehensive study guide to help test takers to attain outstanding results Covering every SAT Math topic and Focusing on proven test taking strategies this is a prep book that has been designed specifically to help test takers hone their math skills overcome exam anxiety boost their confidence and do their best to ace the SAT Math test Here s why more and more SAT Math teachers and test takers turn to this SAT Math test prep Content 100% aligned with the 2021 SAT test Targeted Review study only what you need to know Step by step guide for all SAT Math topics Abundant Math skills building exercises to help test takers approach different question types 2 full length practice tests featuring new question types with detailed answers And much more The best way to prepare for the SAT Math test is with thorough practice in every math topic tested and that s what exactly you ll get with SAT Math Test Prep You will have everything you need to succeed on the SAT Math test right in your hands Start studying today Ideal for self study and classroom usage Visit [www.EffortlessMath.com](http://www.EffortlessMath.com) for Online Math Practice **Digital SAT Prep 2025/2026 For Dummies** Ron Woldoff,2024-07-03 Get the score you need to land scholarships and get into the school of your dreams The SAT is a crucial step in the college admissions process and a high score can put you on the road to the future you re dreaming of Digital SAT Prep 2025 2026 For Dummies gives you the building blocks you need to take the test with confidence First get a primer on all the concepts tested on the SAT and find handy strategies for test day to boost your score Then apply what you ve learned with four practice tests online complete with detailed answer explanations New digital flashcards quiz you on your math and verbal skills and detailed study plans help you stay on track With this no nonsense Dummies guide you have everything you need to knock the SAT out of the park Get clear explanations of all the content on the digital SAT plus practice questions with answer explanations Quiz your heart out with 4 full length practice tests and flashcards online Follow a customizable study plan so you know you re making the most of the time you have left before the test Improve your chances of getting into your top choice colleges with a high SAT score Digital SAT Prep 2025 2026 For Dummies is for anyone looking for that extra edge on this all important college entrance exam **Digital SAT Prep 2024 For Dummies** Ron Woldoff,2023-08-29 Get your digital SAT on the easy way Digital SAT Prep 2024 For Dummies gives you all the practice you need FOUR practice tests to be specific PLUS extra math practice to take this oh so important test with confidence We don t need to tell you that a high score on the SAT can put you on the road to admission at the school of your dreams and can even translate into scholarships that will help get you there If you ll be taking the SAT this year you need Digital SAT Prep 2024 For Dummies to make sure you knock it out of the park Updated with everything you

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