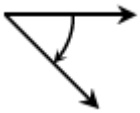
M214/M217 Geometry

1.1.5 Review & Preview

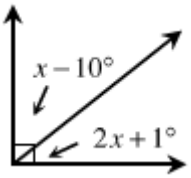
1-42. Estimate the size of each angle below to the nearest 10°. A right angle is shown for reference so you should not need a protractor. Homework Help ✎

a. 

b. 

c. 

1-43. Rosalinda examined the angles at right and wrote the equation below.



Homework Help ✎

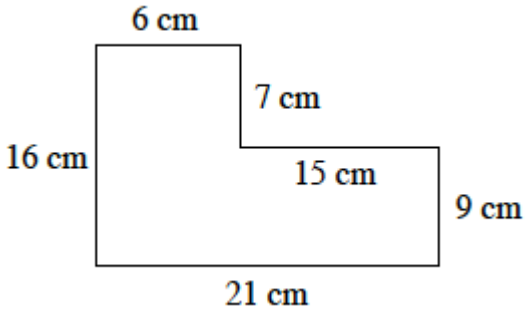
$$(2x + 1°) + (x - 10°) = 90°$$

Does her equation make sense? If so, explain why her equation must be true. If it is not correct, determine what is incorrect and write the equation.

If you have not already done so, solve her equation, clearly showing all your steps. What are the measures of the two angles?

Verify that your answer is correct.

1-44. Angela had a rectangular piece of paper and then cut a rectangle out of a corner as shown below. Find the area and perimeter of the resulting shape. Homework Help ✎



1-45. For each equation below, solve for the given variable. If necessary, refer to the Math Notes box in Lesson 1.1.4 for guidance. Show the steps leading to your solution and check your answer. Homework Help ✎

a. $75 = 14y + 5$

b. $-7r + 13 = -71$

c. $3a + 11 = 7a - 13$

d. $2m + m - 8 = 7$

1-46. On graph paper, draw four different rectangles that each have an area of 24 square units. Then find the perimeter of each one. 1-46 HW eTool (CPM). Homework Help ✎