

Page: 86: 33-37,44-46


Find one counterexample to show that each conjecture is false.

33. $\angle 1$ and $\angle 2$ are supplementary, so one of the angles is acute.
34. $\triangle ABC$ is a right triangle, so $\angle A$ measures 90.
35. The sum of two numbers is greater than either number.
36. The product of two positive numbers is greater than either number.
37. The difference of two integers is less than either integer.

Predict the next term in each sequence. Use your calculator to verify your answer.


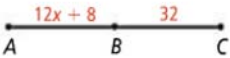

44. $12345679 \times 9 = 111111111$
 $12345679 \times 18 = 222222222$
 $12345679 \times 27 = 333333333$
 $12345679 \times 36 = 444444444$
 $12345679 \times 45 = \blacksquare$

45. $1 \times 1 = 1$
 $11 \times 11 = 121$
 $111 \times 111 = 12321$
 $1111 \times 1111 = 1234321$
 $11111 \times 11111 = \blacksquare$

-  46. **Patterns** Draw the next figure in the sequence. Make sure you think about color and shape.



Page 88: 62-66

62. What is the area of a circle with radius 4 in.? Leave your answer in terms of π .  See Lessor
63. What is the perimeter of a rectangle with side lengths 3 m and 7 m?
64. Solve for x if B is the midpoint of \overline{AC} .   See Lessor

Get Ready! To prepare for Lesson 2-2, do Exercises 65 and 66.

Tell whether each conjecture is *true* or *false*. Explain.

65. The sum of two even numbers is even.  See Lessor
66. The sum of three odd numbers is odd.