

# Lesson 3 Homework Practice

## Write Two-Step Equations

Translate each sentence into an equation.

1. Three more than eight times a number is equal to 19.
2. Twelve less than seven times a number is 16.
3. Four more than twice a number is  $-10$ .
4. Nine less than five times a number is equal to  $-30$ .

Define a variable. Then write and solve an equation to solve each problem.

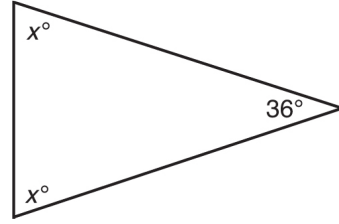
5. **ART** Ishi bought a canvas and 8 tubes of paint for \$24.95. If the canvas cost \$6.95, how much did each tube of paint cost?
6. **ENGINEERING** The world's two highest dams are both in Tajikistan. The Rogun dam is 35 meters taller than the Nurek dam. Together they are 635 meters tall. Find the height of the Nurek dam.

7. **U.S. PRESIDENTS** Use the information at the right.

- a. If you double President Reagan's age at the time of his first inauguration and subtract his age at the time he died, the result is 45 years. How old was President Reagan when he died?
- b. If you divide the age of the first President Bush when he was inaugurated by 2 and add 14 years, you get the age of President Clinton when he was first inaugurated. How old was President G. H. W. Bush when he was inaugurated?

President	Age at First Inauguration
J. Carter	52
R. Reagan	69
G. H. W. Bush	?
W. Clinton	46
G. W. Bush	54

**8. GEOMETRY** Find the value of  $x$  in the triangle at the right.



**9. ALGEBRA** Three consecutive integers can be represented by  $n$ ,  $n + 1$ , and  $n + 2$ . If the sum of three consecutive integers is 57, what are the integers?