

62 Which is $V = \frac{1}{3}s^2h$ solved for h ?

a. $h = \frac{1}{3}s^2V$

b. $h = \frac{V}{3s^2}$

c. $h = \frac{3V}{s^2}$

d. $h = 3Vs^2$

63 Solve the equation $A = \frac{1}{2}h(b+c)$ for c .

A. $c = \frac{2}{A}h+b$

B. $c = \frac{2}{h}A-b$

C. $c = \frac{A}{b+c}$

D. $c = \frac{h}{2}A-c$

64 Starlight Tree Farm sells Douglas firs and noble firs. One December they sold 179 more Douglas firs than noble firs. The total number of trees sold was 499. Which equation could be used to solve for n , the number of noble fir trees sold?

A. $2n+179=499$

B. $2n-179=499$

C. $n-179=499$

D. $n+179=499$

65 The formula $p = \frac{1}{20}s + 200$ is used to calculate a shoe salesperson's weekly earnings. In the formula, p represents the total earnings for the week and s represents the total weekly shoe sales. Suppose the employee sold \$1800 worth of shoes in one week. Find the salesperson's weekly earnings.

66 The charge for mailing a fourth-class package through the U.S. Postal Service is $C = 0.08x + 2.58$

where C is the charge in dollars and x is the weight of the package in pounds.

a. Find the charge to mail a package that weighs 9 pounds.

b. How many pounds can be mailed for \$3.54?

A. a. \$3.30

B. a. \$0.56

C. a. \$3.09

D. a. \$3.30

b. 12 lb

b. 14 lb

b. 11 lb

b. 13 lb