

Name _____

1-6A Lesson Master

Questions on SPUR Objectives
See Student Edition pages 66–69 for objectives.

SKILLS Objective C

In 1-6, a. solve the equation, and b. check your answer by hand or with a CAS.

1. $2a - 7 = 5a + 17$

a. _____

b. _____

2. $5 + 3(c - 9) = 12.5$

a. _____

b. _____

3. $4(2n + 3) = 6 - (n - 2)$

a. _____

b. _____

4. $0.15n + 0.03(8000 - n) = 576$

a. _____

b. _____

5. $\frac{2}{5} = \frac{18}{x + 3}$

a. _____

b. _____

6. $\frac{2}{3}x + \frac{1}{4}x = x - 3.75$

a. _____

b. _____

USES Objective K

7. Devon split \$4000 between a savings account paying 2% interest and a Certificate of Deposit paying 5% interest. If he put x dollars in the savings account, the total interest he will earn in the first year will be $I(x) = 0.02x + 0.05(4000 - x)$. If this money grows to \$4155 at the end of the year, how much did he put in the savings account? _____

8. Sheryl spent one-fourth of the money she made at her summer job on entertainment and one-fifth on transportation. She saved half of her earnings for college, and spent the remaining \$150 on clothes. How much did she make at her summer job? _____

9. You have exactly \$120 to spend on new school clothes, including 6% sales tax. What is the most that the clothes themselves can cost? _____