Sequoia Middle School

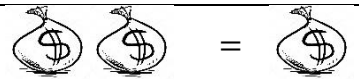
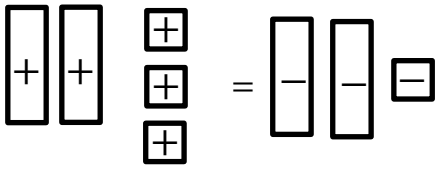
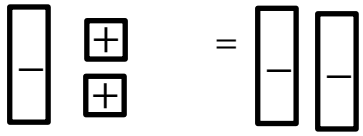
Equations

Variables on Both Sides

Name: _____

Date: _____ Per. ____

Determine how much one unit is in each of the objects shown. For example, how much is 1 money bag?

1. 	2.
3. 	4. 
5. $3x + 5 = 2x - 3$	6. $2x - 4 = -x + 11$
7. $-2x - 4 = 4x + 12$	8. $-3x + 5 = -x + 7$
9. You have \$12.50 in a savings account. You deposit \$7.25 more each week. Your friend has \$32.50 in a savings account. She deposits \$5.25 more each week. In how many weeks will the amount of money in the accounts be equal?	10. A town has accumulated 5 inches of snow, and the snow depth is increasing by 6 inches every hour. A nearby town has accumulated 6 inches, and the depth is increasing by 2 inches every hour. In about how many hours will the snowfall of the towns be equal?