

Name:

Date:

Hour:

Algebra 1

Application WS #1

Write and solve the equation for each of the problems.

1. The difference of one-third of a number and 8 is 1. What is the number?
2. One more than sixteen times a number is 81. What is the number?
3. One seventeenth of a number subtracted by 17 is 42. What is the number?
4. Maggie's brother is three years younger than twice her age. If the sum of their ages is 24, how old is Maggie? How old is her brother?
5. Stephen belongs to a movie club where he pays an annual fee of \$39.95 and then rents DVDs for \$0.99 each. In one year, Stephen spent \$55.79. How many DVDs did he rent last year?

