

**2.7****Challenge Practice**

For use with pages 102-107

**Simplify the expression.**

1.  $8.9(3.8m - 6.7)$

2.  $7(2.4r + 6.3) - 4.24$

3.  $-2.7(4 - 3.1a) + 14.5a$

4.  $10.5 + 2(6.7 - 4.2x) + 7.5x$

**Find the mean of the data.**

5. 7.5, -2.3, -5.7, 6.6, -0.2, 9.7

6. 12.3, 8.5, -6.8, -0.5, 2.1, 3.0

7. In science class, you are measuring the growth of plants. After 8 weeks, your project partner tells you that one of your plants is 2.8 times its height after 1 week. If the plant was 1.4 feet tall after 8 weeks, what was its height, in inches, after 1 week?
8. You can read at a rate of 1.5 pages per minute. You need to read a 475-page book for English class. If you read for 2.5 hours each evening after school, how many evenings will it take for you to read the book?