

## Homework Answers 9.2

### Ready

1. Answers will vary
2. Answers will vary
3. about 218

### Set

4.
  - a. 84%
  - b. 16%
  - c. 7'2.8"
5.
  - a. 99.85%
  - b. 81.5%
6.
  - a. 12 minutes
  - b. 84%

### Go

7.  $\log_2 3 + \log_2 x$
8.  $\log_x 5 - \log_x 7$
9.  $\frac{1}{3} \ln x$
10.  $\log 2 + 2 \log x + 4 \log y - \log 3 - 2 \log z$
11.  $\log_3 4 + \log_3(2x + 3) + \log_3(2x - 3) - 2 \log_3 x$
12.  $\log(x + 10) + \log(x + 2) - \log 5$
13.  $3 + 7 \log_3 x$
14.  $5 + \frac{1}{2} \log y$