

Homework for the Weekend  
Pages 603-04, Problems 3-45 (odd)

Find the difference

1.  $14.7 - (-2.3)$

3.  $-7 + (-4)$

Simplify

2.  $9 + 7y - 2 - 5y$

4. Three plus the square root of  $x$  ( $x = 9$ )

5. Please complete the chart

<u>Year</u>	<u>Hikers who started</u>	<u>Hikers who finished</u>	<u>Percent completed</u>
2001	2380	?	16.6%
2002	?	376	20%
2003	1750	352	?

6. During the period 1992-2000, the number  $C$  of people participating in cross country and the number  $S$  of people participating in snowboarding can be modeled by

$$C = 0.067t^3 - 0.107t^2 + 0.27t + 3.5$$

$$S = 0.416t + 1.24$$

- write an equation for the total number of people  $T$  participating in cross-country skiing and snowboarding in years since 1992
- Find participation in 1992 and 2000
- Average rate of change between the years

Solve the following the quadratic equations

7.  $m^2 - 7m - 120$

8.  $c^2 - 15c + 44$

Factor

9.  $n^2 - 64$

10.  $y^2 - 10y + 25$