3.4 Rational Equations

1. 1
2. -1
3. 5, $\frac{-2}{3}$
4. -2
5. 2
6. Let x be the hours for Sally to mow the lawn.
   $\frac{1}{4}+\frac{1}{x}=\frac{1}{3}$;x = 12; 12 hours
7. Let x be the rate of the hiker, so the rate of the biker is x+7.
   $\frac{20}{x+7}=\frac{6}{x}$;x = 3; The biker goes 3+7=10mph.