Section 1.3: contd:
Friday, September 27, 2013
9:31 AM
additive inverse property:
multiplicative inverse property:

$$
\begin{aligned}
& a \cdot\left(\frac{1}{a}\right)=\left(\frac{1}{a}\right) \cdot a=1 \quad \text { for } a \neq 0 \\
& \hat{\gamma}\} \\
& \text { reciprocals }
\end{aligned}
$$

division of real numbers:

$$
a \div b=a \cdot\left(\frac{1}{b}\right) \quad \text { for } b \neq 0
$$

examples:

$$
\begin{aligned}
24 \div\left(-\frac{8}{3}\right) & =24\left(-\frac{3}{8}\right) \\
& =3(-3) \\
& =-9 \\
0.4 \div 0.005 & =\frac{4}{10} \div \frac{5}{1000}
\end{aligned}
$$

$$
\begin{aligned}
& =\frac{4}{10} \cdot \frac{1000}{5} \\
& =\frac{400}{5}=80
\end{aligned}
$$

evaluate the following:

$$
\begin{aligned}
&-|-15|=-(15)=-15 \\
& \frac{3}{4}+\frac{1}{2}\left(\frac{2}{2}\right)= \frac{3}{4}+\frac{2}{4}=\frac{5}{4} \\
&\left(-\frac{1}{20}\right)\left(-\frac{60}{7}\right)^{3}= \frac{3}{7} \\
&(-0.2)(-0.15)=\left(-\frac{2}{10}\right)\left(-\frac{15}{100}\right)=\frac{30}{1000}=\frac{3}{100} \\
& o r \\
&= 0.030 \\
&(300)(-0.05)= 300\left(-\frac{5}{100}\right)=-15 \\
&(0.007)(0.00008)= 0.00000056
\end{aligned}
$$

