Section 1.3: contid:

Friday, September 27, 2013 9:31 AM

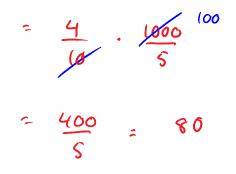
additive inverse property:

$$a + (-a) = -a + a = 0$$

 $a + (-a) = -a + a = 0$
 $pposites$
multiplicative inverse property:
 $a \cdot (\frac{1}{a}) = (\frac{1}{a}) \cdot a = 1$ for a to
 $recipro cells$

division of real numbers:

$$a \div b = a \cdot \begin{pmatrix} 1 \\ b \end{pmatrix}$$
 for $b \neq 0$
examples:
 $\partial 4 \div \begin{pmatrix} -8 \\ 3 \end{pmatrix} = \partial 4 \begin{pmatrix} -3 \\ -3 \end{pmatrix}$
 $= 3(-3)$
 $= -9$
 $0.4 \div 0.005 = \frac{4}{10} \div \frac{5}{1000}$



Waluche the following:

-|-15| = -(15) = -15 $\frac{3}{4} + \frac{1}{2} \left(\frac{2}{2} \right) = \frac{3}{4} + \frac{2}{4} = \frac{5}{4}$ $\begin{pmatrix} -1 \\ 3 \end{pmatrix} \begin{pmatrix} -4 \\ 7 \end{pmatrix}^5 = \frac{3}{7}$ $(-0.2)(-0.15) = (-\frac{2}{10})(-\frac{15}{100}) = \frac{30}{1000} = \frac{3}{1000}$ a - 0.030 $(300)(-0.05) = \frac{3}{300}\left(-\frac{5}{100}\right) = -15$ (0.007)(0.00008) = 0.0000056