Section 1.5: Properties of the Real Numbers
Monday, September 30, 2013 10:12 AM

1. $a+(-a)=-a+a=0$
2. $a \div(c+2)=a \div c+a \div 2$

$$
\frac{a}{c+2}=\frac{a}{c}+\frac{a}{2}
$$

note : let $c=1$ and $a=5$

$$
\frac{5}{3}=5+\frac{5}{2}
$$

note: $(x+6) \div 3=(x+6) \cdot(1 / 3)$

$$
\begin{aligned}
& =1 / 3(x+6) \\
& =\frac{x}{3}+\frac{6}{3}=\frac{x}{3}+2
\end{aligned}
$$

$$
\begin{aligned}
3(x-5) & =3(x+(-5)) \\
& =3 x+3(-5) \\
& =3 x-15
\end{aligned}
$$

