August 23, 2017

Math Jam Fridays

12:00 – 2:00

Rm # 320

Dr. Kuclane

Aug 23-8:03 AM

$\frac{2}{9}\left(\frac{9}{2}t\right) = \left(\frac{2}{9}\cdot\frac{9}{2}\right)\cdot\frac{t}{1}$

- Commutative: $a+b = b+a$, $a\cdot b = b\cdot a$
- Associative: $a+(b+c) = (a+b)+c$

$\left(\frac{2}{9}\cdot\frac{9}{2}\right)\cdot\frac{t}{1}$

$\frac{18}{18}\cdot\frac{t}{1}$

$\frac{1}{1}\cdot\frac{t}{1} = t$

Aug 23-8:12 AM

$3^{-2} = \frac{1}{3^2} = \frac{1}{9}$

Negative Exponent Rule

① $\frac{a^{-n}}{1} = \frac{1}{a^{+n}}$

② $\frac{1}{a^{-m}} = \frac{a^{+m}}{1} = a^m$

$\frac{1}{3^{-2}} = \frac{1}{\frac{1}{3^2}} = \frac{\frac{1}{1}}{\frac{1}{3^2}} = \frac{1}{1}\cdot\frac{3^2}{1} = \frac{1}{1}\cdot\frac{9}{1} = 9$

Aug 23-8:38 AM

$\frac{5(y-4)}{3} = 2y-2$

Aug 23-8:49 AM