Memory Card - Unit & Review

Name

Adding Integers

$$(+7) + (+2) = 9$$

 $(-3) + (-5) = -8$ — going further into
the negatives
 $(-7) + (+5) = -2$ — $\frac{+5}{-7}$ — $\frac{-2}{-2}$ 0
 $(6) + (-2) = +4$

Subtracting Integers

$$-2-5=-7$$
 Gr $(-2)-(+5)$
 $7-(-2)-(+5)$
 -10 two regodives beside each other
carcel to be a positive
 $-10-(+4)=-14$

Multiplying/Dividing Integers

Order of Operations

left SA ddition right Subtraction

Brackets

$$E_X$$
. $3(7-5)-6+23$
 E_X . $3(7-5)-6+8$
 E_X . $3(7-5)-6+8$

1 rot like terms because the exponents are different $\frac{f^2-3f+2-5f^2-4f}{--4f^2-7f+2}$

Solving Equations - to find the value of the variable

$$8 - 4x = 20$$
 -do opposite operations
to both sides
 $4x = 12$ to farthest away from
the variable first

Solving Multi-Step Equations

$$6+3x-4=5x-8-x = combine like terms on the same side of = sign of the same side of the sam$$

Proportions - two equal tractions

Are these proportional?

$$\frac{5}{6} \text{ and } \frac{15}{18}$$

these proportional?

$$\frac{2}{3}$$
 and $\frac{4}{5}$ proportional

 $\frac{5}{6}$ and $\frac{15}{18}$ common multiple of 3

$$\frac{3}{4} = \frac{x}{20}$$

$$X = 15$$

$$\frac{42}{\cancel{x}} = 6$$

$$\frac{6\cancel{x}}{\cancel{4}} = 168$$