

W-A1 Algebra 1 Week 6 10/11

1.) $3(2x-8) = (2x-8) + (2x-8) + (2x-8) = 6x-24$

$6x-24$

$2x+2x+2x=6x$

$-8+(-8)+(-8)=-24$

2.) $-(4x+6) = -4x-6$

3.) $2(9x-3)+12$

$18x-6+12$

$18x+6$

$\begin{array}{r} 1 \\ 12 \\ +18 \\ \hline 30 \end{array}$

$-12-18$
 $-12+(-18)=-30$

$-12x-18x$

$-12x+(-18x)=-30x$

4.) $-3(4x+7)-9(2x-3)$

$-12x-21-18x+27$

$-12x-18x=-30x$

$-21+27=6$

$27-21=6$

$-30x+6$

Extra:

$8(3x-5)-3(4x-7)$

$24x-40-12x+21$

$24x+(-12x) \quad -40+21$

$12x \quad -19$

$12x-19$

$$5 \quad 4s + 6m + 2a$$

$$20s + 30m + 10a$$

order does not matter

Commutative Property

$$a + b = b + a \quad (C)$$

$$a * b = b * a$$

Identity Property

$$a + 0 = a \quad (ID)$$

$$a * 1 = a$$

start does not matter

Associative Property

$$a + (b + c) = (a + b) + c$$

$$a * (b * c) = (a * b) * c \quad (A)$$

Inverse Property

$$a + (-a) = 0 \quad (IV)$$

$$a * \frac{1}{a} = 1$$

$$1.) \quad 3 + 0 = 3 \quad (ID)$$

$$4.) \quad 2 + (3 + 4) = (2 + 3) + 4 \quad (A)$$

$$7.) \quad 4 * (8 * 6) = (4 * 8) * 6 \quad (A)$$

$$2.) \quad 8 * \frac{1}{8} = 1 \quad (IV)$$

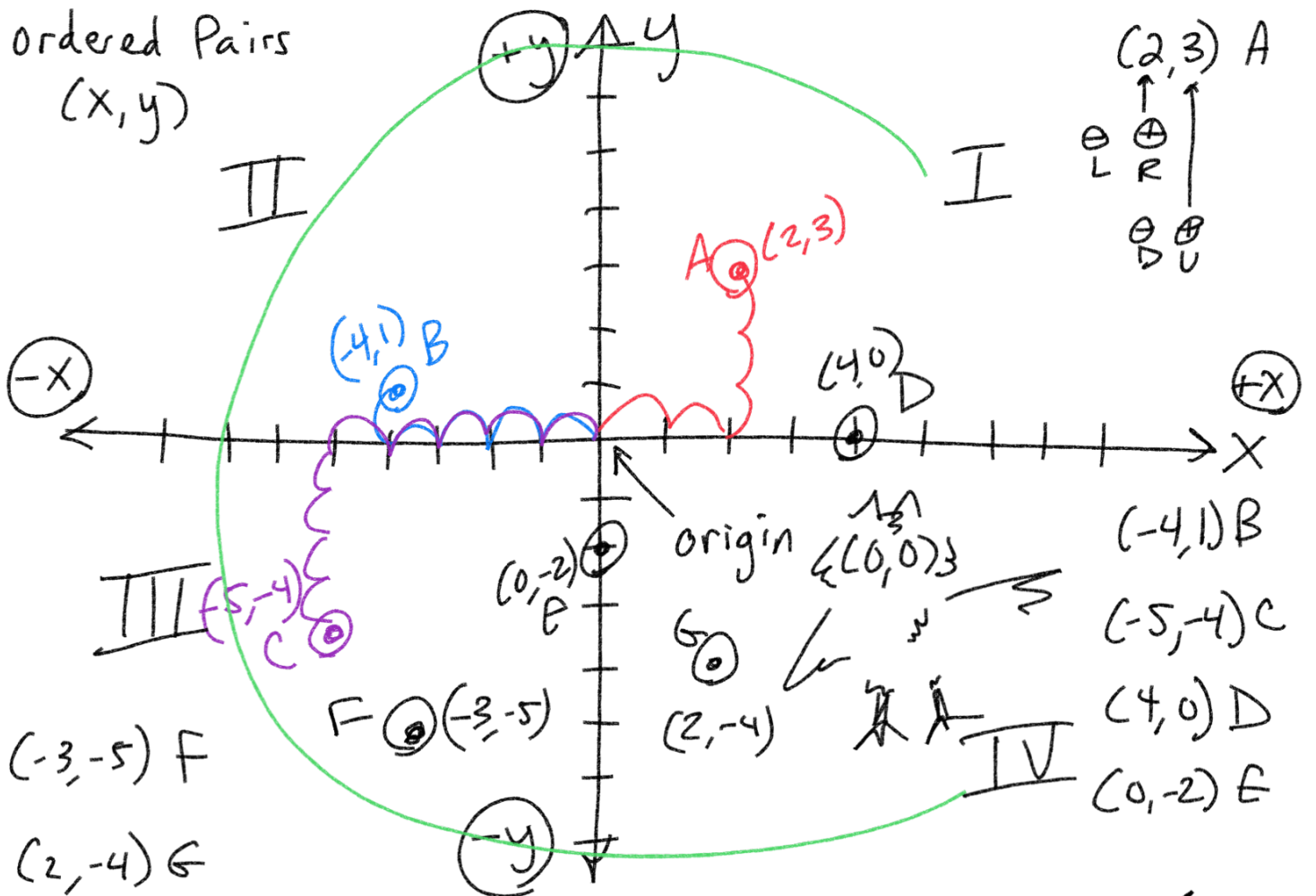
$$5.) \quad 7 + 8 = 8 + 7 \quad (C)$$

$$8.) \quad 8 + (-8) = 0 \quad (IV)$$

$$3.) \quad 4 * 3 = 3 * 4 \quad (C)$$

$$6.) \quad 1 * 9 = 9 \quad (ID)$$

Ordered Pairs
(x, y)



(-3, -5) F
(2, -4) G

GIRLS
LIZZO MEALS

~~GIRLS~~
FROGMEN

