Section 2.1: Relations

Monday, October 19, 2015 10:57 AM

ordered pair:
$$(x, y)$$

examples: $(1, 2)$
 $(3, -4)$
 $(2x, -4)$

ordered triple: (x,y,z)

ordered n-tuples: (also knavn as "tuples") ("Ford", "Probe", 1990, "grey", "flaky electrical system") ("Map 163", "XOI", "QI", 2011)

relations:

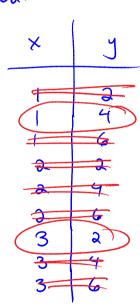
examples:

$$\frac{X \mid y}{A \mid 4} \iff \{(0, 4), (1, 8), (2, 7), (3, 72)\}$$

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example: let
$$x \in \{1, 2, 3\}$$
 and $y \in \{2, 4, 6\}$.
 $(x, y) \in A$ iff $x + y = S$.
shot method:
 $\frac{x \mid y}{3 \mid 2} = \frac{x \mid y}{3 \mid 2}$

long method:



nal, cross alt all the ones that doi't add to 5