August 25, 2025 Kiss and Make up Day

Today in History:

The Great Moon Hoax (1835)

The Wizard of Oz debuts (1939)

Number of the Day: 48

 $48 = 2 \times 2 \times 2 \times 2 \times 3$

48 is the smallest number to have ten different factors:

1, 2, 3, 4, 6, 8, 12, 16, 24, and 48.

Fun Fact:

Franklin Mars invented the Snickers Bar in 1930.

Quote of the Day:

"I love Mickey Mouse more than any woman I have ever known."

-Walt Disney

Today's Weather:

Cloudy slight chance of rain in the morning, high near 68°.

MATH 12)

CHRIS BUTLER

SEARS 577

SEARS 540 (SI ROOM)

CHRIS @ CASE. EDU

216 - 368 - 2881

OFFICE HOURS

MWF 10:30 -11:30

1-4

NUMBERS

REAL

RATIONAL

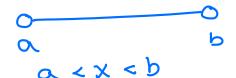
IRRATIONAL

PQ

ABSOLUTE VALUE

INTERVALS

OPEN



CLOSEO

$$a \le x \le b$$

HALF - CLOSED

$$0 < x < p$$

$$= \frac{1 \times -31 < 2}{-2 < \times -3 < 2}$$

DISTANCE FOR MULA

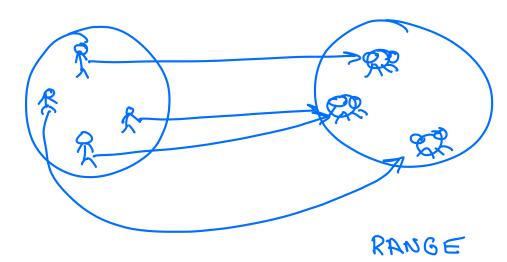
$$d = ((x_2 - x_1)^2 + (y_2 - y_1)^2)$$

FUNCTIONS

$$y = f(x)$$



RELAT.



DOMAIN

NATURAL DOMAIN

$$f(x) = \frac{1}{x+1}$$
 $x \neq -1$

$$f(x) = (x+2) \qquad x = -2$$

LINES
$$y = m \times t D$$

$$m 19 SlopE$$

$$b 15 y-1NT$$

$$\frac{QVAD}{J} = OX^2 + DX + C$$

ROOT

$$X = \frac{-b \pm \sqrt{3^2 - 4ac}}{2a}$$

COMPLETE SQUARE