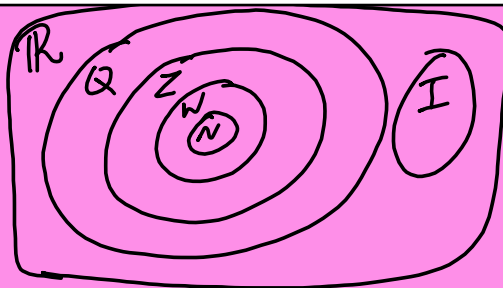


REVIEW

Sets of Numbers



Natural - N - 1, 2, 3, 4, ...

Whole - W - 0, 1, 2, 3, 4, ...

Integers - Z - ... -3, -2, -1, 0, 1, 2, 3, ...

Rational - Q - $\frac{m}{n} = \frac{2}{3}, 4, -3.5, 4.\overline{67}$

Irrational - I - $\pi, \sqrt{7}, \sqrt{12}, e$
 decimals that do not terminate
 or repeat

↑
 terminate or
 repeat

Real - R - All rational + Irrational

#7 Solving equations.

$$\frac{3}{21} \left[\frac{2}{7} (4x-3) = \frac{5}{3} + 2x \right]$$

$$6(4x-3) = 35 + 42x$$

11)

$$\begin{bmatrix} 0 & -3 & 5 & 2 \\ 4 & 6 & 8 & 4 \end{bmatrix} \cdot \begin{bmatrix} 0 & 5 \\ -2 & 1 \\ 3 & -7 \\ -4 & -1 \end{bmatrix}$$

2×4 4×2

$$\begin{bmatrix} 0+6+15+-8 & \dots \\ \dots & \dots \end{bmatrix} = \begin{bmatrix} 13 & \dots \\ \dots & \dots \end{bmatrix}$$

$$20/ \quad 3x+1 \leq 4x-5 < 7x+2$$

$$3x+1 \leq 4x-5 \quad \underline{\text{AND}} \quad 4x-5 < 7x+2$$

$$\frac{5-2}{-5} | 3x+4 | > \frac{-27}{-5}$$

$$\frac{-2}{-2} | 3x+4 | > \frac{-32}{-2}$$

$$| 3x+4 | < 16$$

$$3x+4 < 16 \quad \text{AND} \quad 3x+4 > -16$$

Switch