Chapter 1 Review

W = Natura / 1, 2, 3, 4. ... (Q Z W = Whole O, 1, 2, 3, 9. ... (Q Z

Z = Integers ...-3,-2,-1,0,1,2.3.

Q = Rational M 4, 2, -27, 3.764, 4.16

terminating or repeating decimals

I= Irrational non-terminating, non-repeating decing N, 12, 171, e

R= Real = all rational + irrational #'s

6) a) -23 Q.R

V49 =7 N, W, Z, Q, R

Solve for x by removing the denim. Solve for l.

26 $\frac{2}{3}x + 4 = \frac{3}{2}(x-1) + 12$ 4x + 24 = 15(x-1) + 12 4x + 24 = 15x - 15 + 12 4x + 24 = 15x - 3 27 = 11x $\frac{27}{11} = x$

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

$$\begin{bmatrix} 2 & 3 & -4 \\ 1 & 5 & 6 \end{bmatrix} + \begin{bmatrix} -12 & 8 & -6 \\ -10 & 14 & -2 \end{bmatrix}$$

$$= \begin{bmatrix} -10 & 11 & -10 \\ -9 & 19 & 4 \end{bmatrix}$$

$$\begin{bmatrix} 3 & -2 & 1 & 6 \\ -9 & 19 & 4 \end{bmatrix}$$

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$$\begin{bmatrix} 4 & 2 & 3 \\ -9 & 1 & 9 \\ -9 & 1 & 9 \end{bmatrix}$$

$$\begin{bmatrix} 1 & 3 & 6 & 1 \\ -9 & 1 & 9 \\ -9 & 1 & 9 \end{bmatrix}$$

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20-22 And + Dr Problems

$$2x+3 \le X-5 \le 5-8x$$
 $2x+3 \le X-5$ and $x-5 \le 5-6x$
 $x \le -8$ $9x \le 10$
 $x \le 10/9$

And = must overlap

 $x \le -8$

Anything 8 holds

 $x \le -8$
 $x \le -8$

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 $x \le -8$
 $x \le -8$