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sheet

Solving Inequations

Nov 24

$$|a| \quad 5 > 4$$

↘ greater than

False!

$$c) \quad 15 \leq 17$$

↘ greater than or equal to

d) $6 < 8$

less than

e) $7 \leq -7$

False

less than or
equal to

$$2a) \quad x+2 < 8 \quad (3, 6)$$

Solve and Graph

3. $x - 2 > 0 + 2$

$$x > 2$$



x is an integer
 $x \in \mathbb{I}$

$$5 \quad x - 3 < 1 + 3$$

$$x < 4$$



x is a real number
 $x \in \mathbb{R}$

9. $1 < -2 + z \quad z \in \mathbb{R}$

$$3 < z$$

$$z > 3$$



20. $-3m < 9$

-3 -3

$m > -3$

24, 26,

36. $-8 > \frac{4m}{4} < \varepsilon I$

$-2 > m$

$m < -2$



40
45

Homework

- Hand-out #1 - finish side 1
if you don't finish first 4 questions ^{now}
- back of sheet thru #47
- 3 fraction question sheet
- Quiz - next class
- Test - Dec. 1

37.

$$\overset{-3x}{4x+2} < \overset{-3x}{3x+5}$$

$$\overset{-2}{x+2} < \overset{-2}{5}$$

$$x < 3$$