Warm Up

Solve and graph the inequality.

1) $\frac{-1}{8} \leq \frac{n}{-32}$ ·-32 ·-32

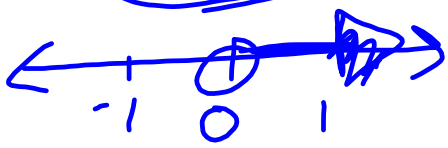
$4 \geq n$

$n \leq 4$

2) $-6x < 0$ $\frac{1}{-6}$ $\frac{1}{-6}$

$\frac{-6x}{-6} > \frac{0}{-6}$

$x > 0$



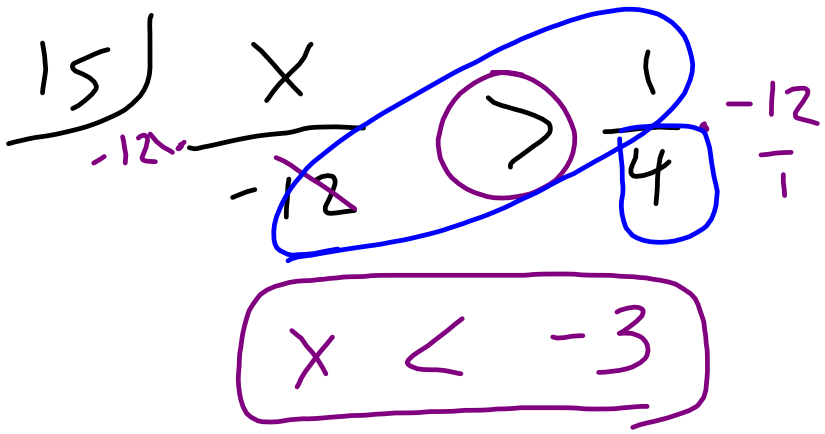
Homework Questions?

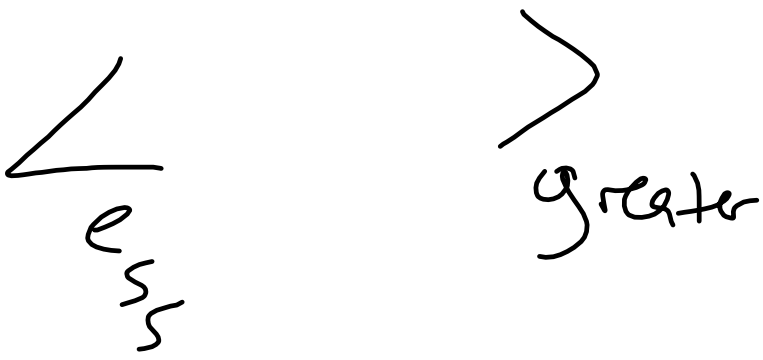
11) $-4 \cdot \frac{1}{-4} < \frac{m}{-4} \cdot -4$

$1 > m$

$-4 * (1 \div -4)$

$m < 1$


15
X
-12
-12
>
1
4
-12
1
X < -3


less
greater

54. POSTERS You want to buy some posters to decorate your dorm room. Posters are on sale for $5 each. Write and solve an inequality to determine how many posters you can buy and spend no more than $25.

55. FUNDRAISING Musicians are planning a fundraiser for local farmers. The admission fee will be $20. Write and solve an inequality to determine how many tickets must be sold to raise at least $25,000.

56. FIGURE SKATING Aisha plans to take figure skating lessons. She can rent skates for $5 per lesson. She can buy skates for $75. For what number of lessons is it cheaper for Aisha to buy rather than rent skates?

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p = posters

$$\frac{5p}{5} \leq \frac{25}{5}$$

$p \leq 5$ posters

55. FUNDRAISING Musicians are planning a fundraiser for local farmers. The admission fee will be $20. Write and solve an inequality to determine how many tickets must be sold to raise at least $25,000.

T = ticket

$$\frac{20T}{20} \geq \frac{25000}{20}$$

$T \geq 1250$ tickets

56. FIGURE SKATING Aisha plans to take figure skating lessons. She can rent skates for $5 per lesson. She can buy skates for $75. For what number of lessons is it cheaper for Aisha to buy rather than rent skates?

L = lesson

$$\frac{5L}{5} < \frac{75}{5}$$

$L < 15$ lessons

6.2 Day 2 Homework

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Word Problems (elevator side) #1-6