

Warm-Up (2.2 WS # 7-19 odds)

7) $x < -1$ 

9) $m \leq 7$ 

11) $r < 1$ 

13) $w > -2$ 

15) $h \geq 8$ 

17) $j < 2$ 

19) $p \leq 17$ 

2.3 Solving Inequalities (One Step)

Discovery Activity True or False

a) $-3 \geq -5$ (T)
 $\cdot 2$ $\cdot 2$

■ $-6 \geq -10$
STILL TRUE

c) $-10 \leq 10$ (T)
 $\cdot 4$ $\cdot 4$
 $-40 \leq 40$
Still true

e) $42 \geq 18$ (T)

g) $\frac{1}{2} < \frac{7}{4}$ (T)

b) $5 < 8$ (T)
 $\cdot -2$ $\cdot -2$

$-10 < -16$ FALSE

$-10 > -16$ TRUE

d) $-1 \geq -11$ (T)
 $\cdot -4$ $\cdot -4$
 $4 \geq 44$ (F)
 $4 \leq 44$ (T)

f) $-6 \leq -3$ (T)

h) $3.92 > 3.67$ (T)

Multiplication Property of Inequalities

- If x by positive $\#$, Keep the symbol
- If x by negative $\#$, flip the symbol

Division Property of Inequalities

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