

1ST 5 GET A WHITEBOARD

Solve the inequalities.

1) $3 \leq -3(5x - 16)$

$$\begin{array}{r} 3 \leq -15x + 48 \\ \underline{-48} \quad \underline{-48} \end{array}$$

$$\frac{-45}{-15} \leq \frac{-15x}{-15}$$

$$3 \geq x$$

$$x \leq 3$$

Inequalities Day 5

Solve the inequalities.

2) $6p - 1 > 3p + 8$

$$\begin{array}{r} -3p \quad -3p \\ \hline \end{array}$$

$$3p - 1 > 8$$

$$\begin{array}{r} +1 \quad +1 \\ \hline \end{array}$$

$$\frac{3p}{3} > \frac{9}{3}$$

$$p > 3$$

Inequalities Day 5

Solve the inequalities.

3) $3(2 + r) < 15 - 2r$

$$\begin{array}{r} 6 + 3r < 15 - 2r \\ \underline{+2r} \quad \underline{+2r} \end{array}$$

$$\begin{array}{r} 6 + 5r < 15 \\ \underline{-6} \quad \underline{-6} \end{array}$$

$$\frac{5r}{5} < \frac{9}{5}$$

$$r < \frac{9}{5}$$

$$r < 1.8$$

$$1 \frac{4}{5}$$

Inequalities Day 5

Solve the inequalities.

4) $-4 - 5w < -29$

$$\begin{array}{r} +4 \quad +4 \\ \hline \end{array}$$

$$\begin{array}{r} -5w < -25 \\ \underline{-5} \quad \underline{-5} \end{array}$$

$$w > 5$$

Inequalities Day 5

Solve the inequalities.

5) $9(y + 7) \geq 198$

$$\begin{array}{r} 9y + 63 \geq 198 \\ \underline{-63} \quad \underline{-63} \end{array}$$

$$\frac{9y}{9} \geq \frac{135}{9}$$

$$y \geq 15$$

Inequalities Day 5

Practice 3-4

1. $z < 3$

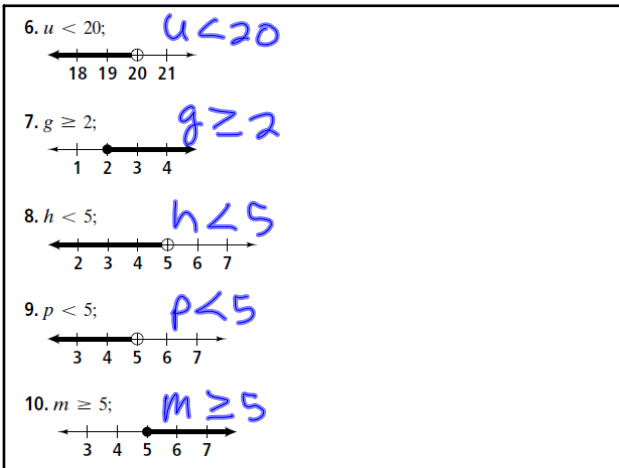
2. $k > 2$

3. $y < 3$

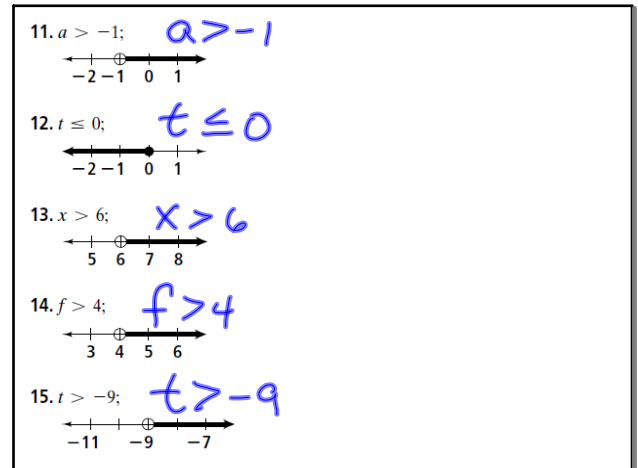
4. $h \geq -1$

5. $r > 3$

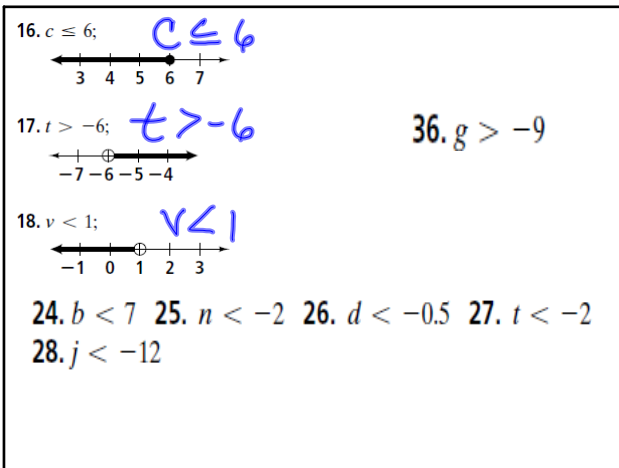
Inequalities Day 5



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Inequalities Day 5



Inequalities Day 5

PW 30 Show your work ^{17 Feb 12}
 Worksheet Multi-Step
 Inequalities **TURN IN**

PW 31
 Workbook p.40 # 29 – 35,
 37 -41

Inequalities Day 5