

Warm Up

June 5

Solve.

$$(15) \frac{2}{3}(6x + 5) = \frac{4}{5}(20x - 7)$$

$$10(6x + 5) = 12(20x - 7) \quad \textcircled{1}$$

$$\begin{array}{r} -240x \\ 60x + 50 = 240x - 84 \end{array} \quad \textcircled{1}$$

$$\begin{array}{r} -50 \\ -180x + 50 = -84 \end{array} \quad \textcircled{1}$$

$$\begin{array}{r} -180x = -134 \\ \hline -180 \quad -180 \end{array} \quad \textcircled{1}$$

$$x = \frac{134}{180}$$

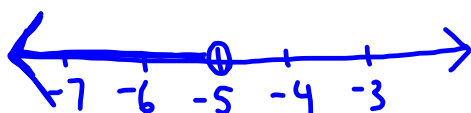
$$= \frac{67}{90} \quad \textcircled{1}$$

Solve and graph

$$\begin{array}{r} +7 \\ -7 - 2x > 3 \end{array} \quad \begin{array}{r} +7 \\ \end{array}$$

$$\frac{-2x > 10}{-2 \quad -2}$$

$$x < -5$$



Chapter 6 Review

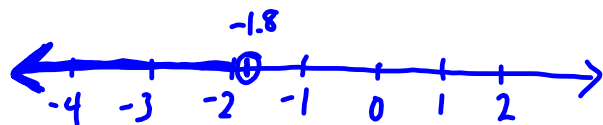
$$\begin{aligned} \#9. \quad & 3(5q-4) = 2(4q+6) \\ & 15q - 12 = 8q + 12 \\ & 7q - 12 = 12 \\ & 7q = 24 \\ & \frac{7q}{7} = \frac{24}{7} \\ & q = \frac{24}{7} \\ & = 3\frac{3}{7} \end{aligned}$$

$$\#15. \quad 25 + 13d \leq 121$$

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$$\begin{aligned} 19. \quad & 29 + 13K = 85 + 6K \\ & 29 + 7K = 85 \\ & 7K = 56 \\ & \frac{7K}{7} = \frac{56}{7} \\ & K = 8 \end{aligned}$$

$$\begin{aligned} 21. \quad & 10.8 - 1.8b > 14.04 \\ & \frac{-1.8b}{-1.8} > \frac{3.24}{-1.8} \\ & b < -1.8 \end{aligned}$$



$$27. \frac{(12)}{3} \cdot \frac{2}{3} (x+2) - \frac{(12)}{2} (x-4) > \frac{(12)}{4} (x+5)$$

$$8(x+2) - 6(x-4) > 3(x+5)$$

$$8x + 16 - 6x + 24 > 3x + 15$$

$$2x + 40 > 3x + 15$$

$$-x + 40 > 15$$

$$-x > -25$$

$$x < 25$$

$$24. 4(6x-7) - (3x-5) = 40$$

$$24x - 28 - 3x + 5 = 40$$

$$21x - 23 = 40$$

$$\frac{21x}{21} = \frac{63}{21}$$

$$x = 3$$

$$17. 4(3w-6) = 3-6w$$

$$12w - 24 = 3 - 6w$$

$$18w - 24 = 3$$

$$\frac{18w}{18} = \frac{27}{18}$$

$$w = \frac{3}{2}$$

Homework

Chapter 7 Review in booklet