Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

2.5 Pg. 85 answers. Check the ones you were supposed to do for your assignment. ODDS are always in the back of your book. So not necessarily posted to these answers too.

1. The graph of $-6 \le x \le -4$ shows a single segment between -6 and -4. The graph of $x \le -6$ *or* $x \ge -4$ shows two opposite rays with endpoints at -6 and -4.

12. **a.** $1700 < h \le 2500$
    b. $4000 < h \le 14{,}410$

2. $a < 6$ *or* $a > -9$; The graph of this inequality is the only one with overlapping rays that represent all real numbers.

14. $-8 < r \le 3$

4. $7 < x < 14$

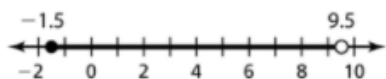16. $w < -17$ *or* $w \ge -9$

6. $x \le 4$ *or* $x > 6$

8. $n \le -7$ *or* $n > 12$

18. $-5 < n < 4$

10. $-1.5 \le r < 9.5$
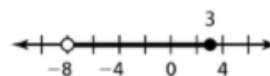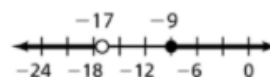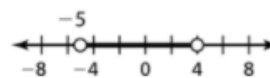
20. $b < -3$ *or* $b \ge 5$

22. The graph should have 2 opposite rays, not 1 segment.

$$\overset{5}{\underset{\substack{-10 \quad 0 \quad 10}}{\longleftrightarrow\!\!\diamond\!+\!+\!\diamond\!\longrightarrow}}$$

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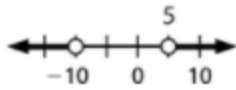
24. $1.16h < 150$ or $1.16h > 220$; heights less than about 129.3 cm or greater than about 189.7 cm

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26. $m > -5$

$$\underset{\substack{-9 \quad -5 \quad -1 \quad 3 \quad 7}}{\longleftrightarrow\!+\!+\!\diamond\!+\!+\!+\!+\!+\!\longrightarrow}$$

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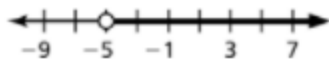
28. all real numbers

$$\underset{\substack{0 \quad 4 \quad 8 \quad 12 \quad 16}}{\longleftrightarrow\!+\!+\!+\!+\!+\!+\!+\!+\!\longrightarrow}$$

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36. no solution

38. $w = -26,\ w = -\frac{2}{3}$

$$\overset{\substack{-26 \qquad\qquad -\frac{2}{3}}}{\underset{\substack{-32 \quad -24 \quad -16 \quad -8 \quad 0}}{\longleftrightarrow\!+\!\bullet\!+\!+\!+\!+\!+\!\bullet\!\longrightarrow}}$$