Chap 2 Sec 1

Softbook Pg 13

4) A number m minus 2.4 is no less than 3.

$m - 2.4 \geq 3$

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6) $b - 4 \geq 3$; $b = 9$

$9 - 4 \geq 3$

$5 \geq 3$

True, ∴ a sol

7) $4c < -3$; $c = 2$

$4(2) < -3$

$8 < -3$

False

Not sol

8) $d + 2.7 \leq 6$; $d = 4$

$4 + 2.7 \leq 6$

$6.7 \leq 6$

False, not sol

9) $\frac{2}{3}f > -4$; $f = 1$

$\frac{2}{3}(1) > -4$

$\frac{2}{3} > -4$

True, sol

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10) $g < 1$

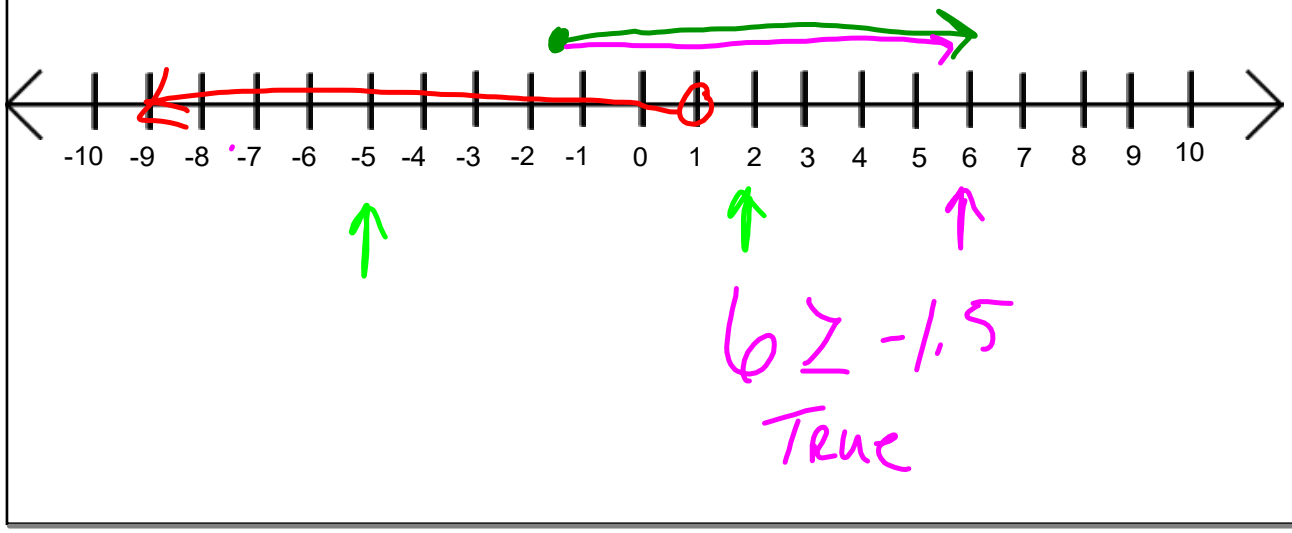
$2 < 1$

False

11) $h \geq -1.5$

$-5 \geq -1.5$

False



$6 \geq -1.5$

True

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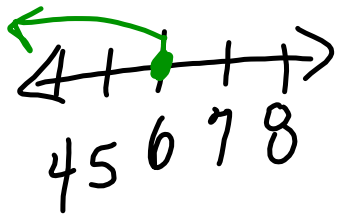
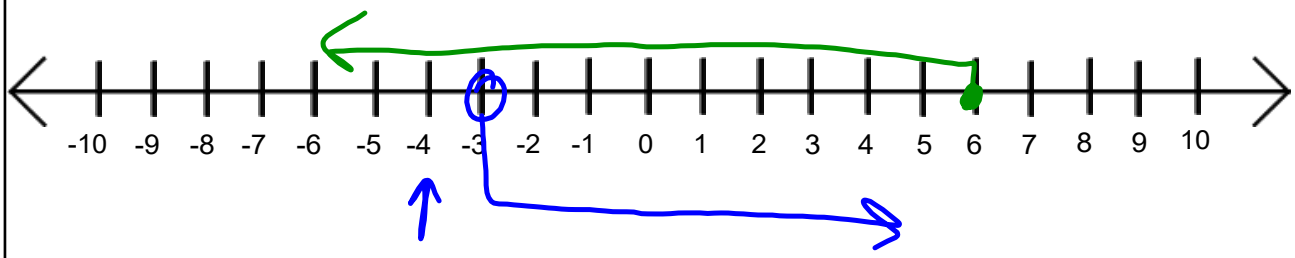
$h \leq 6$



$-3 < x$

$-3 < -4$

False



14) $4j - 3 < j$; $j = 5$

$4(5) - 3 < (5)$

$20 - 3 < 5$

$17 < 5$

False, not sol

15) $k + 6 \geq \frac{k}{3}$; $k = -8$

$(-8) + 6 \geq \frac{(-8)}{3}$

$-2 \geq -\frac{8}{3}$

True, yes sol

Homework Problems - 2.1

1-11, 13, 14, 17, 18, 21, 22

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