

8) $ax + b = 15$; $ax + b = -15$

9) C

10) x ; 4; 2.3

11) $a = 2$ or $a = -22$

12) $b = 29$ or $b = -1$

13) $-1 < c < 17$

14) $d < -.59$ or $d > .53$

15) $g \geq -\frac{2}{5}$ or $g \leq -2$

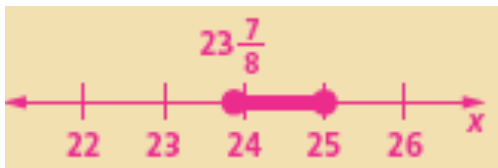
16) $-14 \leq h \leq -8$

17a) $x = -1$ or $x = 8$

17b) $x = 3.5$

17c) no solutions

17d) $x < 1$ or $x > 6$



19a)

19b) Let x be the amount in the box. $|x - 24.4375| \leq .5625$

20a) $7.8 \leq h \leq 9.2$

20b) Let h be the recommended hours of sleep for a teenager.

$|h - 8.5| \leq .7$

22) $-1 < x < 7$

23a) Let t be the time her commute takes $12 \leq t \leq 20$

23b) 16 ± 4

24) $-\frac{11}{4} < a \leq 6$



25) $m \leq -2$ or $m > \frac{37}{4}$



27) Horizontal $y = \frac{9}{11}$

Vertical: $x = -4.25$

28) $.85x + 3(.75) + 3(1.5) \leq 11.5$

(simplify then clear decimals by multiplying by 100) 5 bars