

1.4 |st ASSIGNMENT

P 32: # 2, 3-17 odd, 18, 19-25 odd
33, 34

EXTEND: 27-30

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↑ CHECK ODD # PROBLEMS IN BACK OF BOOK.

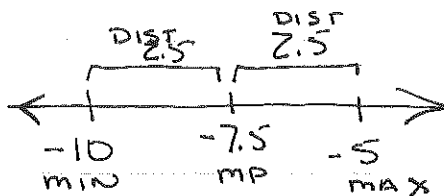
#2. AN ABSOLUTE VALUE CANNOT BE NEGATIVE

$$\#18. \left| \frac{t}{2} \right| = 6$$

$$\frac{t}{2} = 6 \quad \text{OR} \quad \frac{t}{2} = -6$$
$$\boxed{t = 12} \quad \boxed{t = -12}$$



#34.



REMEMBER:

$$|x - \text{MP}| = \text{DIST FROM MP}$$

$$\Rightarrow |x - (-7.5)| = 2.5$$

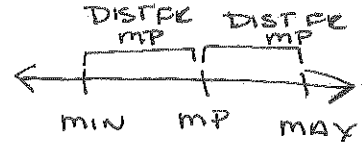
$$\boxed{|x + 7.5| = 2.5}$$

EXTENDED

$$\#28 \quad |x - 4| = 2$$

↖ mp

DIST FROM MP



$$x - 4 = 2 \quad \text{OR} \quad x - 4 = -2$$
$$x = 6 \quad \quad \quad x = 2$$

⇒ C

$$\#30. \quad |x + 4| = 2$$

↖ DIST FROM MP

$$|x - (-4)| = 2$$

↖ mp

$$x + 4 = 2 \quad \text{OR} \quad x + 4 = -2$$
$$x = -2 \quad \quad \quad x = -6$$

⇒ A