(68) §2.7

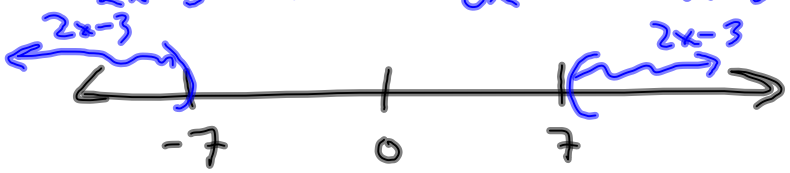
GREATOR

$$\left|\frac{2r-6}{5}\right| = |-2| = 2$$

$|3x-2| = -|-5| = -5$
$|3x-2| = -|5| = -5$
} Nevah!

2.7 #66 $|2x-3| > 7$

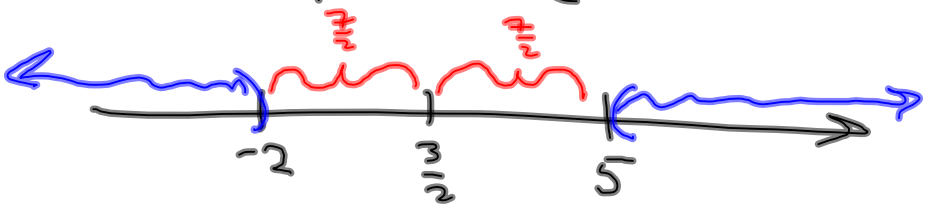
$2x-3 > 7$ OR $2x-3 < -7$




$|2x-3| > 7$

$2\left|x-\frac{3}{2}\right| > 7$

$\left|x-\frac{3}{2}\right| > \frac{7}{2}$




$x < -2$ OR $x > 5$

$(-\infty, -2) \cup (5, \infty)$

$2x-3 > 7$ OR $2x-3 < -7$

$2x > 10$ $2x < -4$

$x > 5$ $x < -2$

$(5, \infty)$ $\cup$ $(-\infty, -2)$

Sep 3-11:14 AM

$$\frac{7}{12} + \frac{11}{15} - \frac{1}{3}$$

2, 3, 5, 7, 11, 13, 17, 19, 23, 29

$$\frac{11}{98} + \frac{5}{12} = ?$$

$98 = 2 \cdot 7 \cdot 7$ $\quad 12 = 2 \cdot 2 \cdot 3$

LCD $= 2 \cdot 2 \cdot 3 \cdot 7 \cdot 7$

$6 = \frac{2 \cdot 2 \cdot 3 \cdot 7 \cdot 7}{7 \cdot 7 \cdot 2}$ $\quad \frac{2 \cdot 2 \cdot 7 \cdot 7}{2 \cdot 2 \cdot 3} = 49$

$$\frac{1}{x^2+5x+6} - \frac{1}{x^2+3x+2}$$

$(x+2)(x+3)$ $\quad (x+2)(x+1)$

LCD $= (x+1)(x+2)(x+3)$

$$\frac{1}{x+2} - \frac{1}{x-2} + \frac{1}{x^2-4}$$

Coming soon to a math class near you.

# Wednesday

$-4(3n-2) - n = -11(n-1)$

$-12n + 8 - n = -11n + 11$

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§2.4 #69

75% on 4 tests

Needs a 77% avg.

Final counts 2 tests

$$\frac{72 + 67 + 82 + 79 + 2x}{6} \geq 77$$

$$\frac{300 + 2x}{6} \geq 77 \quad \text{etc.}$$

$$\frac{(4)(75) + 2x}{6} \geq 77$$

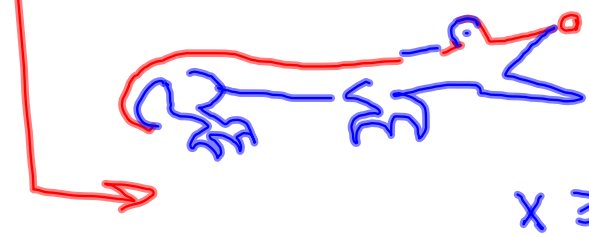
$$(4)(75) + 2x \geq (77)(6)$$

Weighted Averages See Solns

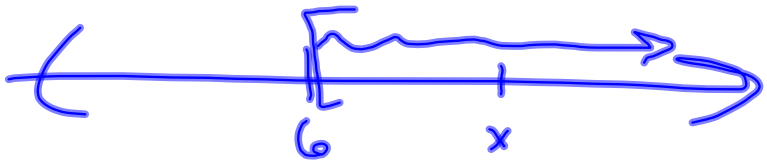
$.05E + .15H + .60T + .2F = \text{AVG.}$

$|3x-2| > -7$ $(-\infty, \infty)$

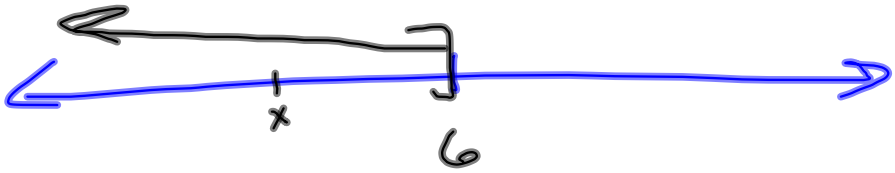
$|3x-2| < -6$ $\emptyset$



$x \geq 6$




$x \leq 6$




Sep 3-11:51 AM