Announcement:

QUIZ THURSDAY 2/16: 3.1-3.4, 6.1, 6.2

Homework review (6.1 and 6.2):

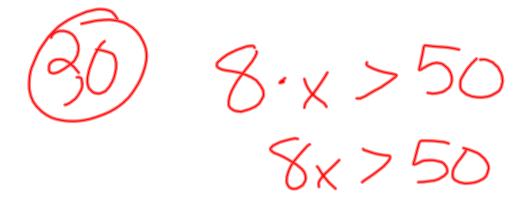
38) time to best
$$3'41.1''$$
 $3 \text{ runners} \quad 53.34''$
 $56.38''$
 $57.46''$
 $t=4+h \text{ runhe7s14me}$

total $< 3'41.1''$
 $t+53.34+56.38+57.46 < 3'41.1''$
 $t+167.18 < 3'41.1''$
 $t+167.18 < 3'41.1''$
 $t+167.18 < 180+41.1''$
 $t+167.18 < 53.92$

Sec 3.4 021512.notebook

$$20_{-5} \times \frac{x}{-5} \le -7.5 \cdot -5$$
 $x \ge 37.5$
 37.5

February 15, 2012



Solving equations with variables on both sides

$$-7a + 9 = 3a + 49$$

$$-3a - 3a$$

$$-10a + 9 = 49$$

$$-9 - 9$$

$$-10a = 40$$

$$-10$$

$$-10$$

$$-10$$

$$\frac{2}{1} \cdot (7 + x) = \frac{31}{12} (4x - 2)$$

$$\frac{14 + 2x}{-4x} = \frac{4x - 2}{-4x}$$

$$\frac{14 + 2x = -2}{-14}$$

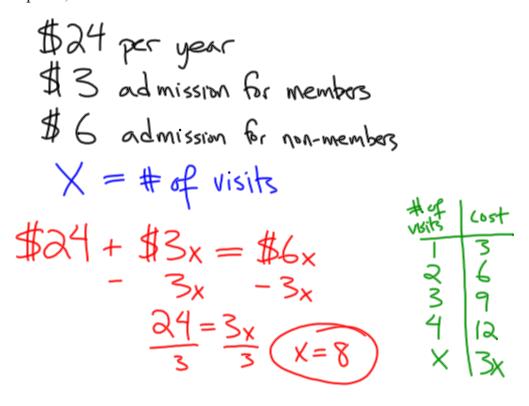
$$\frac{14 + 2x = -2}{-14}$$

$$\frac{-2x = -16}{-2}$$

$$\frac{x = 8}{-2}$$

$$2.3+5$$
 $2.(3+5)$ $6+10$ 16

Botanical Gardens The membership fee for joining a gardening association is \$24 per year. A local botanical garden charges members of the gardening association \$3 for admission to the garden. Nonmembers of the association are charged \$6. After how many visits to the garden is the total cost for members, including the membership fee, the same as the total cost for nonmembers?



$$4z - 15 = 4z + 11$$

$$-4z$$

$$-(5 = 1) \quad \text{no solution}$$

$$2x - 6 = 2(x - 3)$$

$$2x - 6 = 2x - 6$$

$$-2x$$

$$-6 = -6 \quad \text{all real numbers}$$

10.
$$9x - 2 = 8x + 7$$

11.
$$5n - 3 = 3n + 1$$

$$V = S$$

12.
$$4z - 5 = 8z + 3$$

Homework:

p. 157: 5 - 50 (every 5th), 52a

worksheet: 1-8