Homework review: 3 minutes 41.1 seconds

3min = 180 sec 1600 meters

41.1

ADD meter times

ADD Meter times

ADD Meter times

The last number 167.18 used up

Solving equations with variables on both sides QUIZ MONDAY: 3.1-3.4, 6.1,6.2

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

$$+7a + 7a$$

$$-49 = 10a + 49$$

$$-49 = 10a$$

$$-40 = 10a$$

$$\alpha = -4$$

$$\frac{2}{1}(7+x) = \frac{21}{12}(4x-2)$$

$$14 + 2x = 4x-2$$

$$14 = 2x-2$$

$$14 = 2x$$

$$16 = 2x$$

$$x = 8$$

**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?

members cost = 
$$\pm 24$$
members admission =  $\pm 3$ 
Non-members admission =  $\pm 6$ 
 $X = \pm 4$ 
of visits

Member total rost for x visits:

 $3x + 24$ 

Nommember total rost for x visits:

 $6x$ 
 $3x + 24 = 6x$ 
 $-3x$ 
 $-3x$ 
 $24 = 3x$ 
 $3 = 3x$ 

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

$$-4z - 4z$$

$$-15 = 11 \text{ No solution}$$

$$\frac{1}{2}(4z - 10) = \frac{1}{2}(2z - 5)$$

$$2z - 5 = 2z - 5$$

$$-2z + 12z + 11$$

$$-5 = -5 + 11z + 11$$

$$-5 = -5 + 11z +$$

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

**13.** 
$$-a + 4 = a + 6$$

**16.** 
$$3(m+2) = 8 + m$$

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

**14.** 
$$w + 8 = w + 3$$

**17.** 
$$6 + x = 6(x - 5)$$

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

**15.** 
$$2(y + 3) = y + 4$$

**18.** 
$$7(b+3) = 7b - 4$$

## Homework:

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

worksheet: 1-8 on LH side