Algebra

Name: _____

Extra Practice for chapter 3

Date: _____ Per: _____

Solve. Be sure to show all steps.

1. $4x-1=2(2x+3)$

2. $9-5c=12-(6c+7)$

3. $-\dfrac{2}{3}d=8$

4. $8a-3(2a+5)=13$

5. $\dfrac{2}{5}(10c-50)=4(9-6c)$

6. $6m+5-3m=7(m-1)$

Answer the following word problems by showing all 5 steps.

7. P.S. duPont's school band needs to buy new percussion equipment. The Equipment will cost $2450. They have collected $812 in previous fundraisers. If they sell sandwiches at $3.50 each, how many sandwiches will they need to sell to raise the remaining funds?

8. 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 are charged $6 for admission. After how many visits to the garden is the total cost for members the same as the total cost for nonmembers? Should you become a member of the association?