Mixed Operations Word Problems

There are 6 cooks working at a catering hall. Each chef has 3 kitchen assistants. There are also 8 waiters and one pastry chef on staff.

1.) How many people in total are working at the catering hall?

2.) For a wedding shower, the pastry chef prepared 36 cupcakes. If only 29 guests showed up for the event, how many extra cupcakes were prepared.

3.) For a birthday party, Chef Susan prepared 54 dinners and Chef Jacque prepared 17 more dinners than Susan did. How many dinners were prepared in total?

4.) For a Bar Mitzvah party, there will be 78 total guests and 6 waiters on staff. If each waiter is going to be responsible for an equal number of guests, how many guests should each waiter prepare to serve?

5.) BONUS: Write an equation using x and then solve the equation. For every guest that attends a Sweet Sixteen party, the catering hall earns $60. If x guests come to the event, the catering hall will earn $2,100.
**ANSWER KEY**

1.) There are 33 total people working at the catering hall.
2.) There are 7 extra cupcakes.
3.) 122 total dinners were prepared.
4.) Each waiter will serve 13 guests.
5.) Equation: $60x = 2,100$
   Answer: $x = 35$