Name: _____

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.

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