Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Express each sentence as an equation or inequality. Define the variables.

1. Two numbers differ by 25.
2. Three times a smaller number exceeds the larger by 3.
3. A) Alex and David won $2000 in a television game show.

B) David received twice as much as Alex less $100.

1. At the Tight & Bright Dance, there were 50 more girls than boys.
2. The cost of tickets to a concert was $18 with a student card and $20 without. How many tickets would need to be sold for the revenue to exceed $27 200?
3. Katie has $3.05 in her pocket, comprising of dimes and quarters.
4. A store sells two brands of TVs. Brand A sells at least twice as much as brand B.
5. A skate manufacturer can produce as many as 60 pairs of hockey skates, and 45 pairs of figure skates, per day.
6. A jewelry store sells at least four pairs of small earrings for every pair of large earrings.
7. A school is organizing a track and field meet. There will be no more than 250 events and no fewer than 100 events scheduled.
8. John is making a mixture of skittles and M&Ms.

A) He is making no more than 8 kg of the mixture.

B) He wants at least twice as many skittles as M&Ms.

1. A pet store sells at least three times more male birds than female birds of the same species.
2. Nick and Brandon will practice baseball for no more than 10 hours this week.
3. At least 2 L of gasoline is produced for each litre of heating oil.
4. Ed found spiders and crickets in his storage room. There were 20 or fewer spiders and 20 or more crickets.