Applying Algebraic Expressions Practice

1. It cost $10 for a large cheese pizza and $1.50 for each topping added to the pizza. Write an expression for the cost of a pizza with (t) toppings.

2. How much would a large pizza with 5 toppings cost?

3. Write an expression for the amount of money Jacob has. Jacob has 4 less than 5 times the amount of money Caleb has.

4. If Caleb has $55, how much money does Jacob have?

5. Write an expression for the amount of gumballs Trish has. Trish has 3 more than 3 times the amount of gumballs Dan has.

6. If Dan has 45 gumballs, how many gumballs does Trish have?

7. The dimensions of a rectangular garden are 6 by 2x + 1. Write an expression to represent the area of the garden.

8. The expression 20x + 30 represents the area of the figure below. Use the distributive property to find the dimensions.

