**Specific Heat Calc. I**

1. **If 300 g of a substance had a change in temperature of 18.5 C and gave off 115 calories of heat what is the specific heat?**
2. **Water has a specific heat of 4.18 C/g x C (units not an equation), if you heated 20 g of it from 22.5 C to 73.1 C, how many calories of heat were used?**
3. **If 560 Calories of heat were used to heat 11.2 g of a substance with a S. Heat of .67 c/gxC, what is the change in temperature?**
4. **If a substance with a specific heat of 3.12 c/gxC was heated from 3 C to 55 C with 400 calories of heat, what is the mass?**

**1 calorie = 4.18 J**