**Unit 7 Problems I**

1. If a substance with a mass of 3.785 Kg, was heated up 45 C, and gave off 1289 J of heat, what is it’s specific heat?
2. If a substance with a specific heat of .00987 Kg C/J gave off 23 J of heat and heated up from 32 C to 89 C, what is the mass?