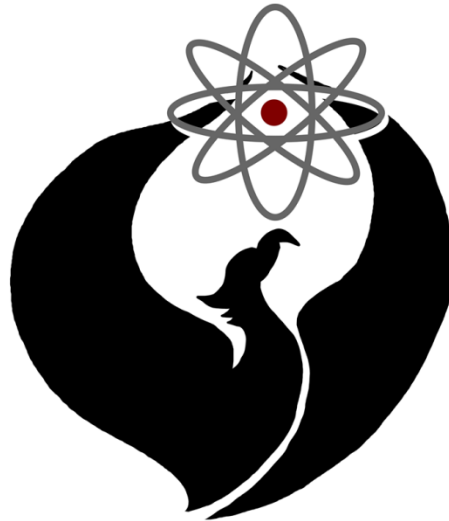# Machines B
Answer Sheet

University of Chicago Science Olympiad Invitational 2020

Saturday, January 11, 2020

Team Name: _____

Team Number: ____

Participant names: _____

_____

Problem 1 [5 pts].

          _____

    _____

    _____

    _____

    _____

Problem 2 [5 pts]. _____

Problem 3 [15 pts].

    i [5 pts]. _____

    ii [5 pts]. _____

    iii [5 pts]. _____

Problem 4 [10 pts].

    i [5 pts]. _____

    ii [5 pts]. _____ N

Problem 5 [5 pts]. _____

Problem 6 [10 pts].

    i [2.5 pts]. _____ seconds

    ii [2.5 pts]. _____ inches

    iii [2.5 pts]. _____ inches

    iv [2.5 pts].   beginning   /   end   (circle one)

Problem 7 [10 pts]

    i [2 pts].   1   2   3   (circle one)

    ii [2 pts].   1   2   3   (circle **two** - both must be correct)

    iii [2 pts].   1   2   3   (circle one)

    iv [2 pts].   1   2   3   (circle one)

    v [2 pts].   1   2   3   (circle one)

Problem 8 [5 pts]. _____ (unitless -- cm/cm)

Problem 9 [5 pts]. _____ (symbolic)