## Free-Body Diagrams

There are 15 questions below. In each case, an object is acted upon by one or more forces. Draw accurate free-body diagrams showing all the forces acting on the object. Assume there is no friction unless otherwise noted in the question. Label the forces using the following symbols:

- $F_{\rm g}$  for gravity (or weight)
- T for tension
- $F_f$  for friction and/or air resistance

- $F_N$  for the normal force
- $F_A$  for the applied force



