$\star$ All numbered exercises are from Zwiebach

1. Recall that we write $[X]=x$ if $X \sim M^{x}$ where $M$ is a mass and we set $\hbar=c=1$. Find $[X]$ for the following quantities $X$ in $D$ spacetime dimensions.
(a) Voltage $V$.
(b) Current $I$.
(c) Resistance $R$.
(d) Torque $\tau$.
(e) Moment of inertia $I$.
(f) The area $A$ of a $S^{D-2}$ sphere (which can surround an object in $D-1$ space dimensions.
(g) The electric flux of an electrically charged object through the $S^{D-2}$.
(h) Specific heat (heat capacity per unit mass).
(i) Pressure.
(j) $S / k_{B}$ where $k_{B} T$ has units of energy.
2. 4.5
3. 5.2.
4. 5.7.
5. 6.4
