

p.569 even answers

$$\#8 \quad 4$$

$$\#10 \quad 10$$

$$\#12 \quad -\frac{1}{12}$$

$$\#14 \quad -9$$

$$\#16 \quad 0.6$$

$$\#18 \quad -3.75$$

$$\#20 \quad \approx \pm 3.6$$

$$\#22 \quad m = \frac{2E}{V^2} \quad \text{solve for } E$$

$$\text{LCD} = V^2$$

$$\frac{m}{1} \cdot \frac{V^2}{V^2} = \frac{2E}{V^2}$$

$$\frac{mV^2}{V^2} = \frac{2E}{V^2}$$

$$mV^2 = 2E$$

$$\frac{mV^2}{2} = E$$