- **1.** V = xy
- **2.** V = y x

3. $V = y^2/2 + x^3/3 - x^2/2$. Note that (verify!) in general, x'' + h(x) = 0 has a prime integral $y^2/2 + H(x)$, where y = x' and $H(x) = \int h(x) dx$.

4. V = z/x or $V = zx - y^2$.