Enough grid approximation

We'll use quadratic approximation for the rest of the first half of the course.

$$W_i \sim \text{Normal}(\mu_i, \sigma)$$
$$\mu_i = \alpha + \beta H_i$$
$$\alpha \sim \text{Normal}(0, 10)$$
$$\beta \sim \text{Uniform}(0, 1)$$
$$\sigma \sim \text{Uniform}(0, 10)$$

```
m3.1 <- quap(
    alist(
        W ~ dnorm(mu,sigma),
        mu <- a + b*H,
        a ~ dnorm(0,10),
        b ~ dunif(0,1),
        sigma ~ dunif(0,10)
    ) , data=list(W=W,H=H) )
```