(Debug) In[◦]:= **(* Ex 3 *)**

(Debug) In[◦]:= **hmt = 34.6 − .5 q^2;**

(Debug) In[◦]:= **n1 = 1411;**

(Debug) In[◦]:= **n2 = 3411;**

$$\text{Solve}\left[\frac{\text{hmt}}{\text{x}} == \left(\frac{\text{n1}}{\text{n2}}\right)^2, \text{x}\right]$$

(Debug) Out[◦]= $\left\{\left\{x \rightarrow -0.584399\left(-346. + 5. \, q^2\right)\right\}\right\}$

(Debug) In[◦]:= **eq = Expand[−0.5843989289379137` (−346.` + 5.` q^2)]**

(Debug) Out[◦]= $202.202 - 2.92199 \, q^2$

(* a − b q^2 *)