1.

1. (A) Basis for the Revenue model is a simple multiplication:

Revenue = Price×Quantity = $(-\frac{7}{6}m+465) \times m = 465\,m - \frac{7\,m^2}{6}$

Notice the latter is a quadratic:
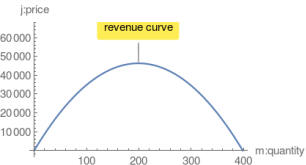
(B) Domain starts at 0 CanadianDollars revenue up to m-intercept coordinate equal to twice the value of vertex of the Parabola:

$\frac{2790}{7}$

(D) The maximum occurs at the vertex m-intercept coordinate:

$\frac{1395}{7}$

or the amount 46333.9 CanadianDollars .