\*Learning Target:

\*Critical Content:

Slope – intercept form:

Ex1: Write an equation of the line that Ex1b: (4, -7), slope = -1  
passes through (2, 1) with a slope of 3

\*If given two points:

1.

2.

Ex2: Write an equation of the line that Ex2b: (-1, 12) and (4,-8)  
passes through (3, 1) and (2, 4).

Linear extrapolation –

|  |  |
| --- | --- |
| **Year** | **Cost** |
| 2004 | 354 |
| 2005 | 366 |
| 2006 | 378 |
| 2007 | 390 |

Ex3: The table shows average fares for domestic flights in US from 2004 to 2007.  
a) Write an equation to predict air fares if fares continue to increase at the same rate.

b) Predict the cost of air fare in 2010.