**Logarithms Introduction**

1. (a) Complete the tables below for the given exponential and logarithmic functions.

y = 2x 

(b) Graph these two functions along
 with y = x on the coordinate
 grid. Include any asymptote(s)
 and intercept(s).

(c) What do you notice about the
 tables in part (a)? What do you
 notice about the graphs?

Conversions from one form to another

 Use **logax = y ↔ ay = x**

2. Complete the chart, converting the given equation from one form to the other.

|  |  |
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| **Logarithmic form** | **Exponential form** |
| (a)  |  |
| (b) log 0.001 = -3 |  |
| (c) |  |
| (d) |  |
| (e)  |  |
| (f) |  |