

Fill in the truth tables below by manipulating the code in the *logic-tables.js* file attached to this lab on FSO.

Keep in mind the following:

&& is the JavaScript equivalent of AND

|| is the JavaScript equivalent of OR

! is the JavaScript equivalent of NOT

**Table 1**

<b>P</b>	<b>Q</b>	<b>P &amp;&amp; Q</b>
T	T	true
T	F	false
F	T	false
F	F	false

**Table 2**

<b>P</b>	<b>Q</b>	<b>P    Q</b>
T	T	true
T	F	false
F	T	false
F	F	false

**Table 3**

<b>P</b>	<b>Q</b>	<b>R</b>	<b>(P &amp;&amp; (Q    R))</b>
T	T	T	true
T	T	F	true
T	F	T	t
T	F	F	f
F	T	T	t
F	T	F	t

F	F	T	t
F	F	F	f

**Table 4**

<b>P</b>	<b>Q</b>	<b>R</b>	<b>(P &amp;&amp; !Q)    R</b>
T	T	T	t
T	T	F	f
T	F	T	t
T	F	F	t
F	T	T	t
F	T	F	f
F	F	T	t
F	F	F	f

**Table 5**

<b>P</b>	<b>Q</b>	<b>R</b>	<b>P    (Q    R)</b>
T	T	T	t
T	T	F	t
T	F	T	t
T	F	F	t
F	T	T	t
F	T	F	t
F	F	T	t
F	F	F	f