

**TYPE 2:  
LOG = NUMBER**

<b>①</b>	<b>CONDENSE</b> and <b>ISOLATE</b> the logarithm.
<b>②</b>	Write the equation in <b>EXPONENTIAL FORM</b> .
<b>③</b>	<b>SOLVE</b> and <b>CHECK FOR EXTRANEOUS SOLUTIONS</b> .
<b>11.</b> $\log_2(x - 4) = 6$	<b>12.</b> $\log_3(4x + 8) - 7 = -3$
<b>13.</b> $\log(2x) + \log(x - 5) = 2$	<b>14.</b> $2 \cdot \log x - \log 4 = 2$
<b>15.</b> $\log_6(x + 9) + \log_6 x = 2$	<b>16.</b> $\log(x - 3) + \log x = 1$