|  |  |
| --- | --- |
| START!  | $$27^{2x-1}=3$$ |

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| --- | --- |
| $$ x=\frac{2}{3}$$ | $$log\_{6}x+log\_{6}9=log\_{6}54$$ |

|  |  |
| --- | --- |
| $$x=6$$ | $$log\_{8}48-log\_{8}x=log\_{8}4$$ |

|  |  |
| --- | --- |
| $$x=12$$ | $$log\_{8}x=\frac{2}{3}log\_{8}8$$ |

|  |  |
| --- | --- |
| $$x=4$$ | $$4^{3x}=12$$ |

|  |  |
| --- | --- |
| $$x=.5975 $$ | $$5^{4x-2}=120$$ |
| $$x=1.2437$$ | $$8^{2+x}=2$$ |

|  |  |
| --- | --- |
| $$x=-\frac{5}{3}$$ | $$2 log\_{6}x+log\_{6}4=2$$ |

|  |  |
| --- | --- |
| $$x=3$$ | $$log\_{9}81=x$$ |

|  |  |
| --- | --- |
| $$x=2$$ | $$log\_{16}(x+2)=2$$ |

|  |  |
| --- | --- |
| $x=254$ | $$2^{x+5}=3^{x-2}$$ |

|  |  |
| --- | --- |
| $$x=13.96$$ | STOP!  |