Solve and show all steps.

$3^x = 20$	$5^{x+1} = 70$
$e^{2x} = 18$	$2^{x-4} = 15$
$10^{3x} = 500$	$7^{-x} = 25$
$4^{2x+3} = 50$	$6^x = 2.5$
$8^{x-1} = 99$	$12^x = \dfrac{1}{2}$

Solve and show all steps.

$$x = \frac{\log(20)}{\log(3)} \approx 2.727$$

$$x = \frac{\log(70)}{\log(5)} - 1 \approx 1.639$$

$$x = \frac{\ln(18)}{2} \approx 1.445$$

$$x = \frac{\log(15)}{\log(2)} + 4 \approx 7.907$$

$$x = \frac{\log(500)}{3} \approx 0.900$$

$$x = -\frac{\log(25)}{\log(7)} \approx -1.654$$

$$x = \frac{1}{2}\left(\frac{\log(50)}{\log(4)} - 3\right) \approx -0.090$$

$$x = \frac{\log(2.5)}{\log(6)} \approx 0.511$$

$$x = \frac{\log(99)}{\log(8)} + 1 \approx 3.210$$

$$x = \frac{\log(0.5)}{\log(12)} \approx -0.279$$