Logarithmic Equations Cut Out Puzzle

All bases are positive.

Cut out the squares. Arrange them so that touching edges are equivalent equations.

log ₆ x=17			x=11			x=6			x=8		
$\log_{\mathbf{x}}\sqrt{7}=\frac{1}{2}$		x=12	10g17x=6		x=7	log5x=7		X= <u>1</u>	log ₈ 2=x		log7x=2
	log ₃ x=5			log _X 1000	=3		log ₅ 125=	x		x=7	
log ₁₀ .001=x	x=81	x=-6	log ₉ 27=x	x=243	×=+	log_/3729=x	x=13	x=-2	log ₁₁ 121=x	x=9	x= <u>†</u>
	log _{√2} x=	0		log _x 16=2			log ₂ .5=x			x=6	
$\log_{\frac{1}{4}} \frac{1}{2} = x$	x=4	4-=X	10g ₈ 16=x	x=-1	x=27	10g./5 5 =x	log ₇ x=21	x=-5	45 X=2	x=10	×=3
$\log_{27} x = \frac{2}{3}$			log ₂₃ 1=x			log ₁₆ 8=x			log ₂ 64=x		
log ₁ 81=x	x=0	x=-3	log _x /3=2	x=3/4	log ₈ x=3	X=X	x=3	x=2	log ₈₁ 3=x	x=1	x= <u>1</u>
log ₅₅ x=0			log√3x=8			log ₄ x=8			log ₄ x=6		