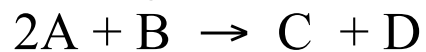


Kinetics Practice #1

The following reaction was studied:



TRIAL	[A]	[B]	INITIAL RATE OF C FORMATION (mol/Lmin)
1	0.25	0.75	4.3×10^{-4}
2	0.75	0.75	1.3×10^{-3}
3	1.50	1.50	5.2×10^{-3}
4	1.75	???	8.0×10^{-3}

- 1) DETERMINE THE RATE LAW.
- 2) CALCULATE K WITH UNITS.
- 3) DETERMINE THE INSTANTANEOUS RATE OF CHANGE OF [A] IN TRIAL #3.
- 4) DETERMINE THE INITIAL VALUE OF [B] IN TRIAL #4.