81.

(1) rate =
$$\frac{d[P]}{dt}$$
 = $K_3[ES]$ rate $K_3 + ES \rightarrow more P$

(2) rate =
$$\frac{d[ES]}{dt} = k_1[E][S] - k_2[ES] - k_3[ES]$$

(3)
$$rate = \frac{d[E]}{dt} = -k_1[E][S] + k_2[ES] + k_3[ES]$$

(4) rate =
$$\frac{dCS}{dt}$$
 = -k₁[ES] + k₂[ES]