10.) $K = 6\left(x - \frac{1}{y}\right) = 3\left(y - \frac{1}{z}\right) = 2\left(z - \frac{1}{x}\right) = xyz - \frac{1}{xyz}$.

$2 \cancel{6}\left(\frac{xy-1}{y}\right) = \cancel{3}\left(\frac{yz-1}{z}\right)$.

$2xyz - 2z = y^2z - y$.

$2xyz = z(y^2+2) - y$.

$\frac{3yz-3}{z} = \frac{2xz-2}{x}$.

$3xyz = x(2z^2+3) - 2z$

$\frac{3xy-3}{y} = \frac{xz-1}{x}$.

$xyz = 3x(xy-1) + y$. $y(3x^2+1) - 3x$