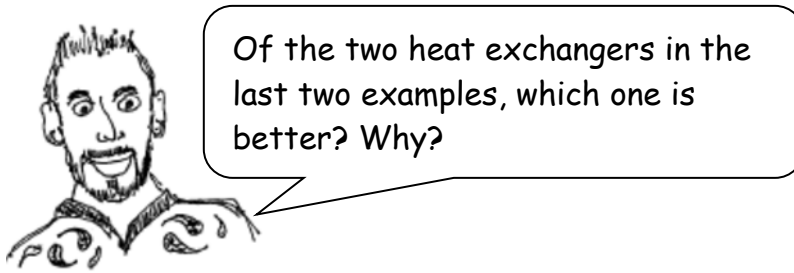
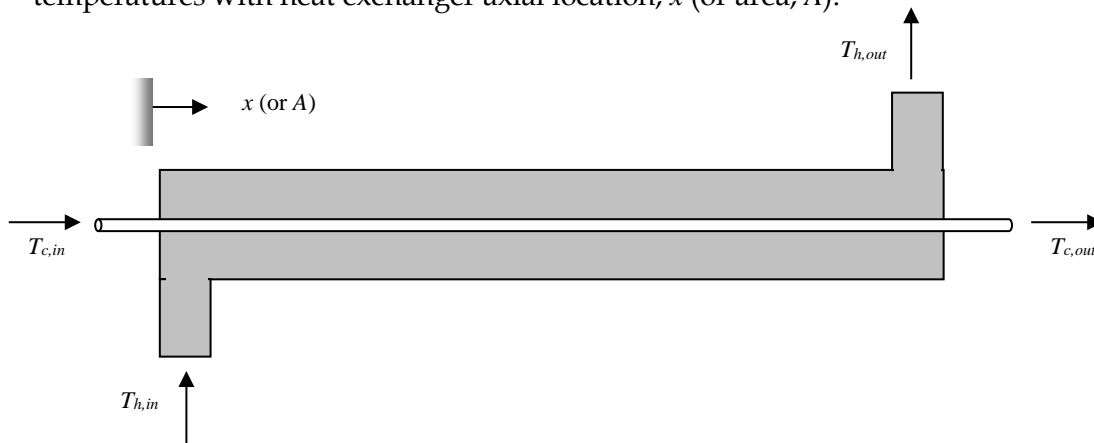


ACTIVE LEARNING EXERCISE—HXR flow directions



Why is this the case?

Let's explore this a bit more. Consider a *parallel flow* heat exchanger with a warm fluid inlet temperature $T_{h,in}$ and a cold fluid inlet temperature $T_{c,in}$. Sketch the variation of fluid temperatures with heat exchanger axial location, x (or area, A).



Now consider a *counter-flow* arrangement of the same heat exchanger. The warm fluid inlet temperature is still $T_{h,in}$ and the cold fluid inlet temperature is still $T_{c,in}$. Sketch the variation of fluid temperatures with heat exchanger axial location, x (or area, A).

