

1.76
6

$$\angle A = \angle BDE = \angle ENC = \angle MNK = \alpha$$

$$\angle C = \angle NMK = \angle DMA = \angle BED = \beta$$

$$\Rightarrow \triangle ABC \sim \triangle DEB \sim \triangle NCE \sim \triangle MNK \sim \triangle AMD \quad (S.S)$$

$\sim \triangle EDK$

$\triangle ABC \sim \triangle ADM$ | $\frac{m}{n+m}$ | $\frac{m}{n+m}$: $\triangle ABC \sim \triangle NEC$

$$\rightarrow AM = \frac{xm}{n+m}$$

$$\rightarrow NC = \frac{mx}{n+m}$$

$$MN = AC - AM - NC = x - \frac{2xm}{n+m} = \frac{x(n-m)}{n+m}$$