

(a)

35%	60%	53%
x	y	40
$0.35x$	$0.6y$	$0.53 \cdot 40$

$$x + y = 40$$

$$0.35x + 0.6y = 0.53 \cdot 40$$

...

(b)

\$6.00	\$5.80	\$5.85
x	y	100
$6x$	$5.8y$	$5.85 \cdot 100$

$$x + y = 100$$

$$6x + 5.8y = 585$$

...

(c)

v	t	d	
to convert. 48	x	y	$y = 48x$
from conv. 54	$17-x$	y	$y = 54(17-x)$

$$\rightsquigarrow 48x = 54(17-x)$$

...