

# Systems Applications day 2.

Friday, November 17, 2017 12:47 PM

#4.

$$x + y = 90$$

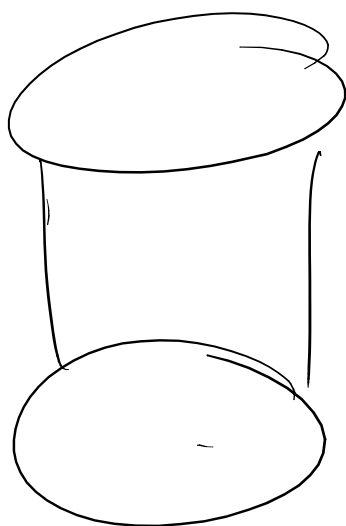
$$x = \frac{7}{8}y$$

$$x = 5m$$

$$y = 1g.$$

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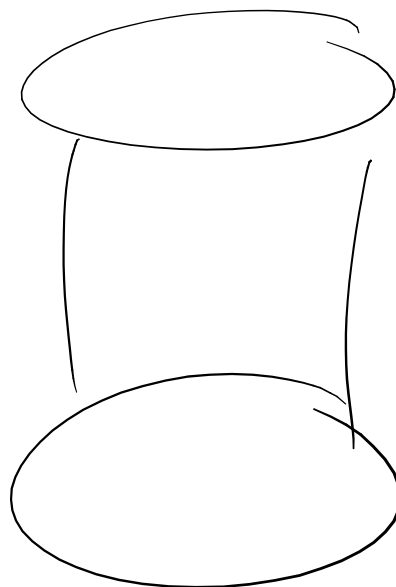
## Background



#2

80%

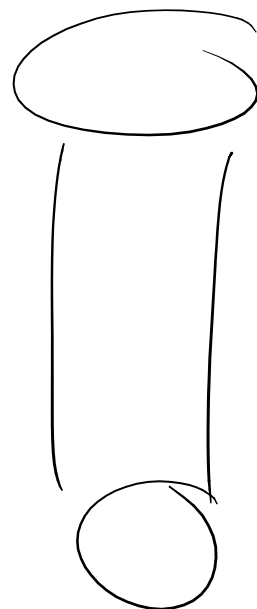
+



#3

20%

=

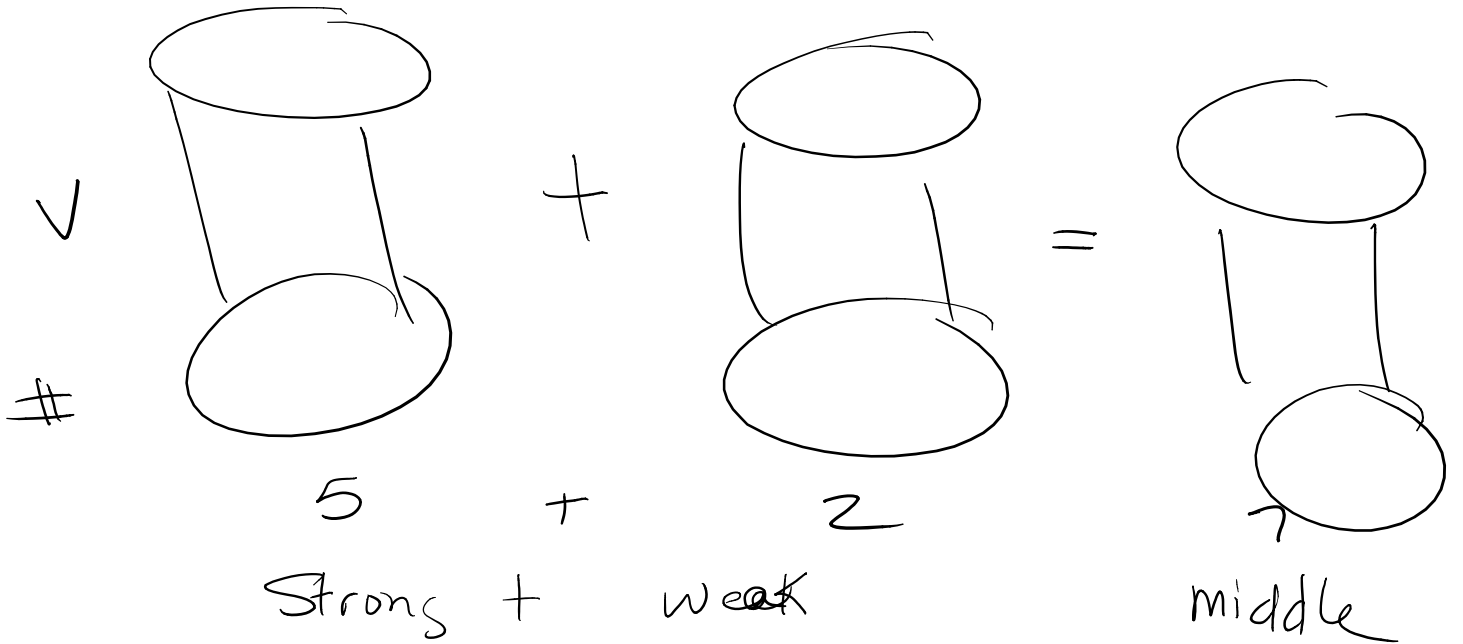


#5

middle%

$$\# \cdot V + \# V = 5 (?)$$

$$2(.80) + 3(.20) = 5 (?)$$



$$\# V + \# V = \# V$$

$$2 \begin{matrix} \text{amount} \\ \text{value} \end{matrix} (.35) + 6 (.15) = 8 (x)$$



#	2	6	8
Value	.35	.15	X

$$2(.35) + 6(.15) = 8X$$

add across

#	X	6	X+6
V	.45	100% 1	.78

$\Downarrow$                    $\Downarrow$                    $\Downarrow$

$$.45X + 1(6) = .78(X+6)$$

$$X + y = 180$$

$$X = 20 + 7y$$

8



$$l - 9 = w + 9$$

$$2l + 2w = 120$$

1.

$$D = r \cdot t$$



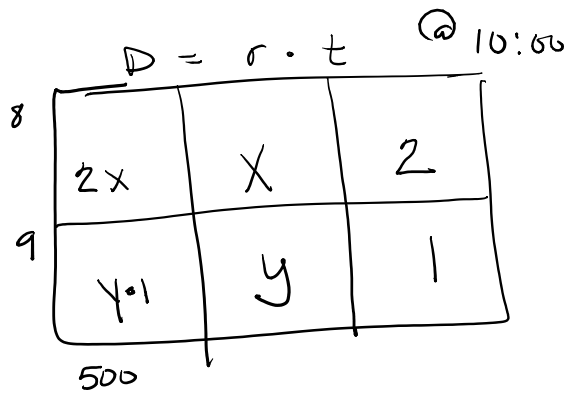
$$D = r \cdot t$$

up	12	$r - c$	$\frac{12}{r - c}$
down	12	$r + c$	$\frac{12}{r + c}$

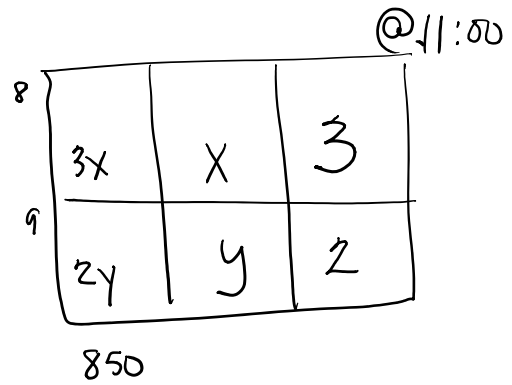
} 2.5

$$\frac{12}{r-c} + \frac{12}{r+c} = 2.5$$

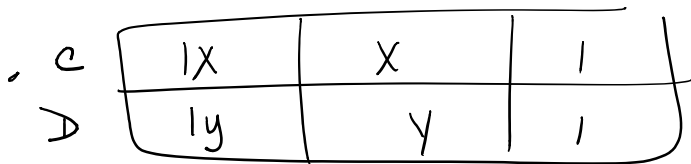
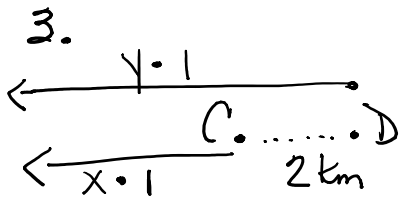
$$r = 5c$$



$$2x + 1y = 500$$

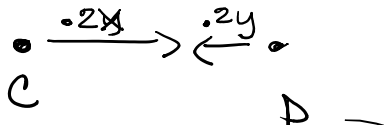
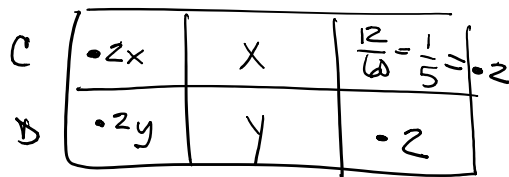


$$3x + 2y = 850$$

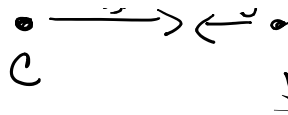


$$D = 2 + c$$

$$1y = 2 + 1x$$



$$|y = 2 + |x$$



$$2x + 2y = 2$$