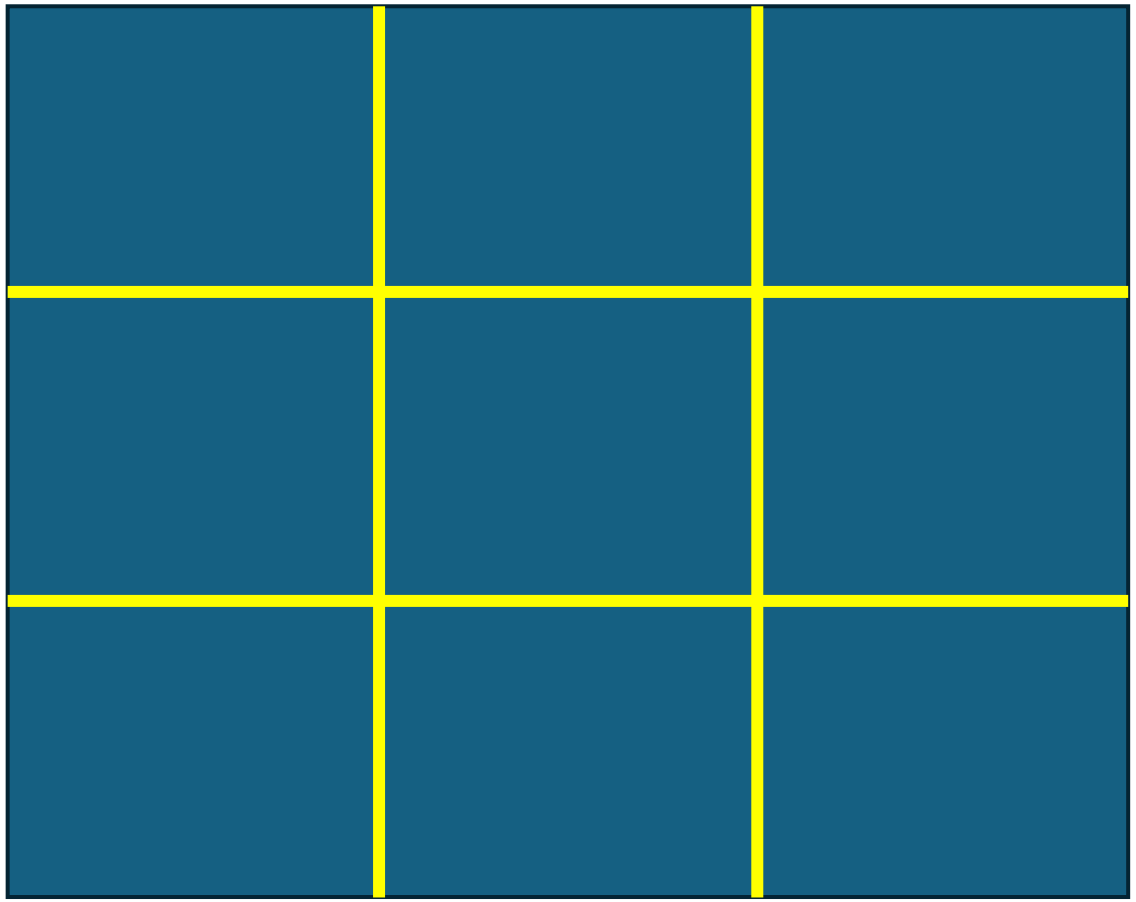
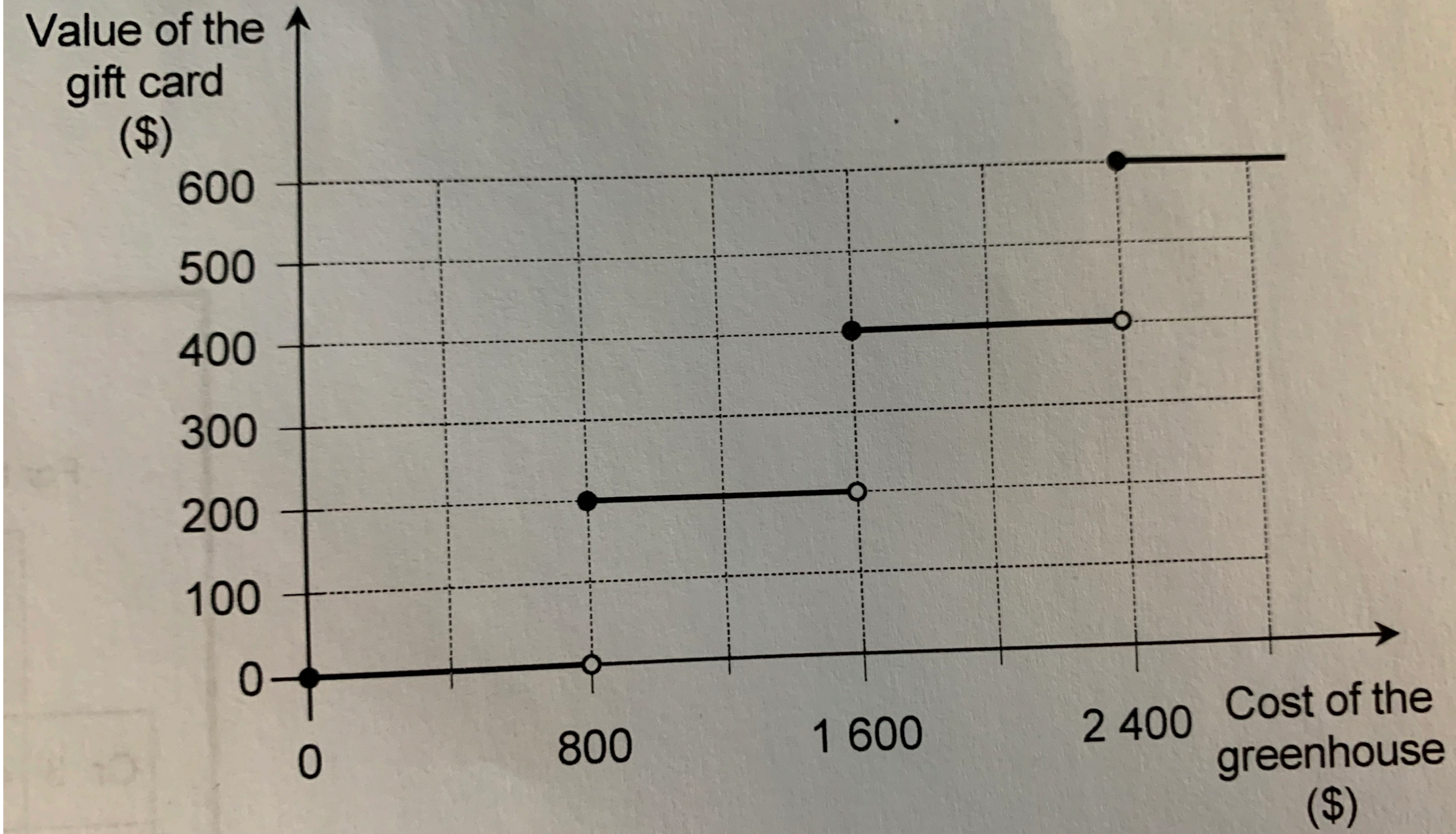
Greenhouse Math Problem

Greenhouse Math Problem




Value of the gift card ($)
600
500
400
300
200
100
0
0
800
1 600
2 400
Cost of the greenhouse ($)

Greenhouse Math Problem

1st Greenhouse

$f(x)=ax^2$

$(\$2304)=3^{2}$ metres

2304 / 9

(256)= per metre

Milan

(2460.16)= x

(2460.16/256)= x

(9.61 metres)= x

Sarah

(9 * $256)= x

(2304)= x

$400

	Ceramic	Wood
Kitchen		
Living room		
	$351/9 = 39(x^2)$	

	Ceramic	Wood
Kitchen	$825.24/39 = $\sqrt{21.16} = 4.6$	
Living room		
	$351/9 = 39(x^2)$	

	Ceramic	Wood
Kitchen 4.6 * 4.6	$825.24/39 ($x^2$) = $\sqrt{}$21.16 = 4.6	
Living room		
	$351/9 = 39($x^2$)	

	Ceramic	Wood
Kitchen 4.6 * 4.6	$825.24/39 ($x^2$) = $\sqrt{}$21.16 = 4.6	
Living room 4.6 +.08= 5.4m		
	$351/9 = 39($x^2$)	

	Ceramic	Wood
Kitchen 4.6 * 4.6	$825.24/39 ($x^2$) = $\sqrt{}$21.16 = 4.6	
Living room 4.6 +.08= 5.4m		
	$351/9 = 39($x^2$)	

3.5	612.50
4	800
4.5	1012.50

	Ceramic	Wood
Kitchen 4.6 * 4.6	$825.24/39 ($x^2$) = $\sqrt{}$21.16 = 4.6	
Living room 4.6 +.08= 5.4m		
	$351/9 = 39($x^2$)	

3.5	612.50
4	800
4.5	1012.50

3.5^2 =12.25	612.50/12.25 = 50
4^2 = 16	800/16 = 50
4.5^2 = 20.25	1012.50/20.25 = 50

	Ceramic	Wood
Kitchen 4.6 * 4.6	$825.24/39 ($x^2$) = $\sqrt{}$21.16 = 4.6	
Living room 4.6 +.08= 5.4m		
	$351/9 = 39($x^2$)	50 * 5.4^2 = $1458

3.5	612.50
4	800
4.5	1012.50

3.5^2 =12.25	612.50/12.25 = 50
4^2 = 16	800/16 = 50
4.5^2 = 20.25	1012.50/20.25 = 50

Maria's Pool

$F(x) = 94.08$

$12x^2 = 94.08$

$X^2 = 7.84$

$X = 2.8$

$2.8^2 = \$78.40$

$7.84 = \$78.40$

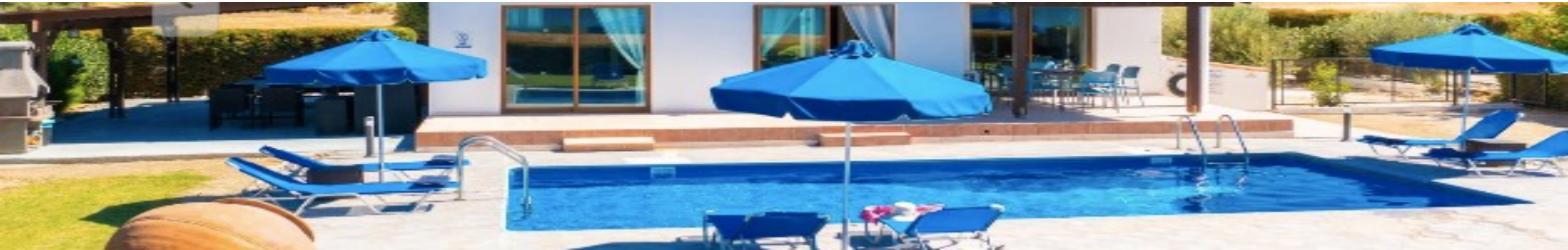
$a = 10$

Lea's pool

$10x^2 = \$102.40$

$x^2 = \$10.24$

$X = 3.2$



$$12(3.5)^2$$

$$=\$147$$

Dimiti's pool 3.2 + .3 = 3.5