# Graduation Pictures

Your committee must choose a photo company to take graduation pictures. The two companies that you contacted – Paparazzi Photos and Soft-Focus Snapshots – both claim to have the best package deals.

The tables below show the different prices for each photographer, based on the number of prints ordered.

Paparazzi Photos

Number of prints	0	5	10	15	20	25	30	35	40
price		$10	$15		$25				

Soft-Focus Snapshots

Number of prints	0	5	10	15	20	25	30	35	40
Price			$25		$30	$32.50			$40

1) Draw lines to represent the two tables on the grid below. BE SURE TO LABEL AND NUMBER YOUR AXES!
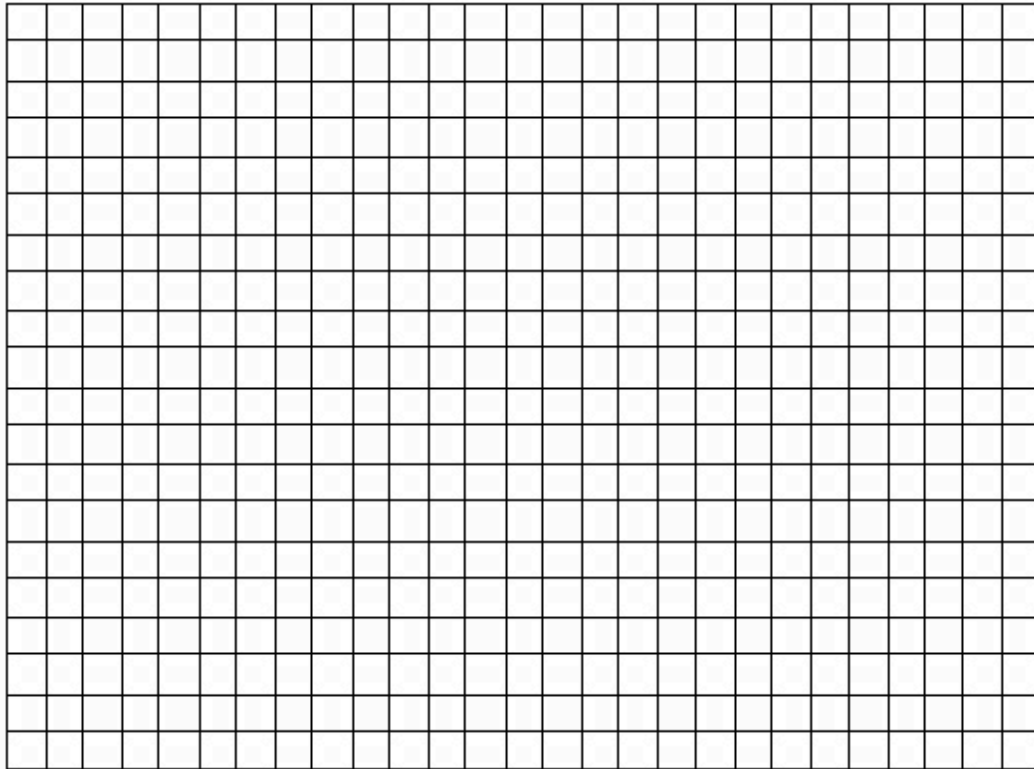
2) Based on the pattern above, how much does each company charge, *in addition to the price per photo print*? What is the mathematical term for this value?

   Paparazzi Photos:

   Soft-Focus Snapshots:

3) Write the rules (equations) for both companies (y=mx + b)

   Paparazzi Photos:

   Soft-Focus Snapshots:

4) What is the importance of the point of intersection?

CATERING FOR THE SENIOR BREAKFAST

Your committee must choose a catering company for the senior breakfast. The two companies that you contacted –
Rodeo and Gus's – both claim to have the best package deals.

The tables below show the different prices for each caterer, based on the number of people eating breakfast.

Rodeo	Number of people	0	50	100	150	200	250	300	350	400
	price			$850		$1450			$2350	

Gus's	Number of people	0	50	100	150	200	250	300	350	400
	Price		$950		$1150		$1350			$1650

1) Draw lines to represent the two tables on the grid below. BE SURE TO LABEL AND NUMBER YOUR AXES!
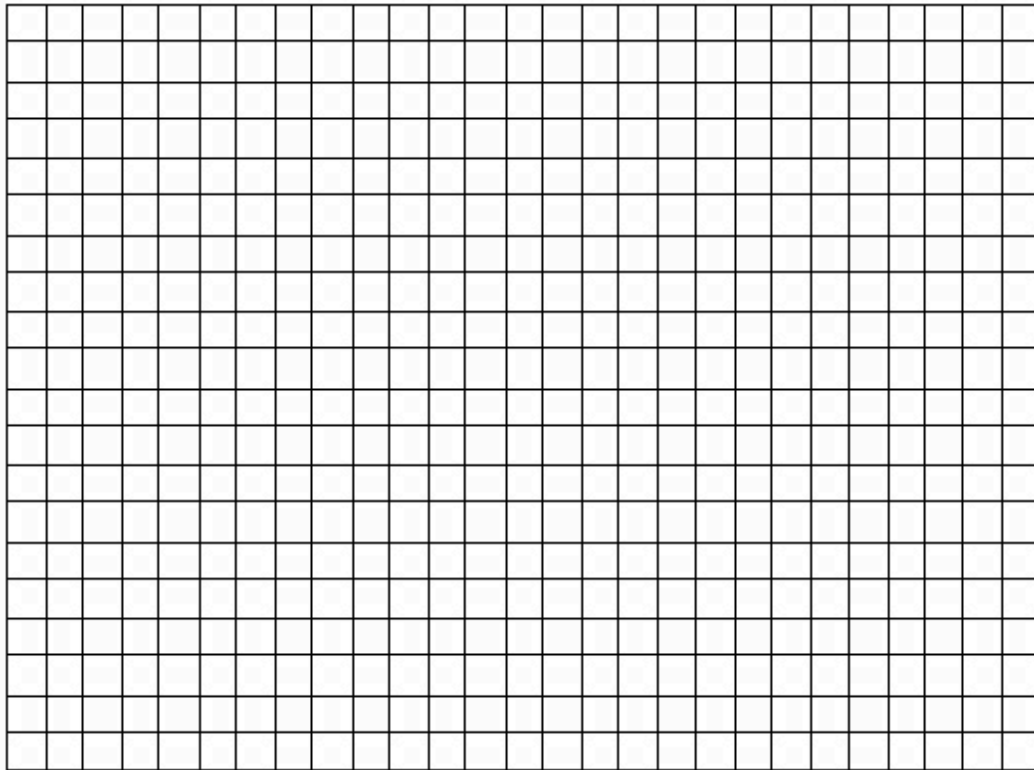
2) Based on the pattern above, how much does each company charge, *in addition to the price per person*? What
   is the mathematical term for this value?

   Rodeo:

   Gus's:

3) Write the rules (equations) for both companies (y=mx + b)

   Rodeo:

   Gus's:

4) What is the importance of the point of intersection?

CAPS AND GOWNS FOR GRADUATION

Your committee must choose a company to provide caps and gowns for graduating seniors: either Caps-N-Gowns-R-Us, or the Graduation Station. Each company charges a "flat rate" for the order, plus an additional cost per student.

The tables below show the different prices for each company, based on the number of students who need caps and gowns.

Caps-N-Gowns-R-Us	# of students	0	50	100	150	200	250	300	350	400
	price			$2300		$3500			$5300	

Graduation Station	# of students	0	50	100	150	200	250	300	350	400
	Price		$1750		$4250		$6750			

1) Draw lines to represent the two tables on the grid below. BE SURE TO LABEL AND NUMBER YOUR AXES!
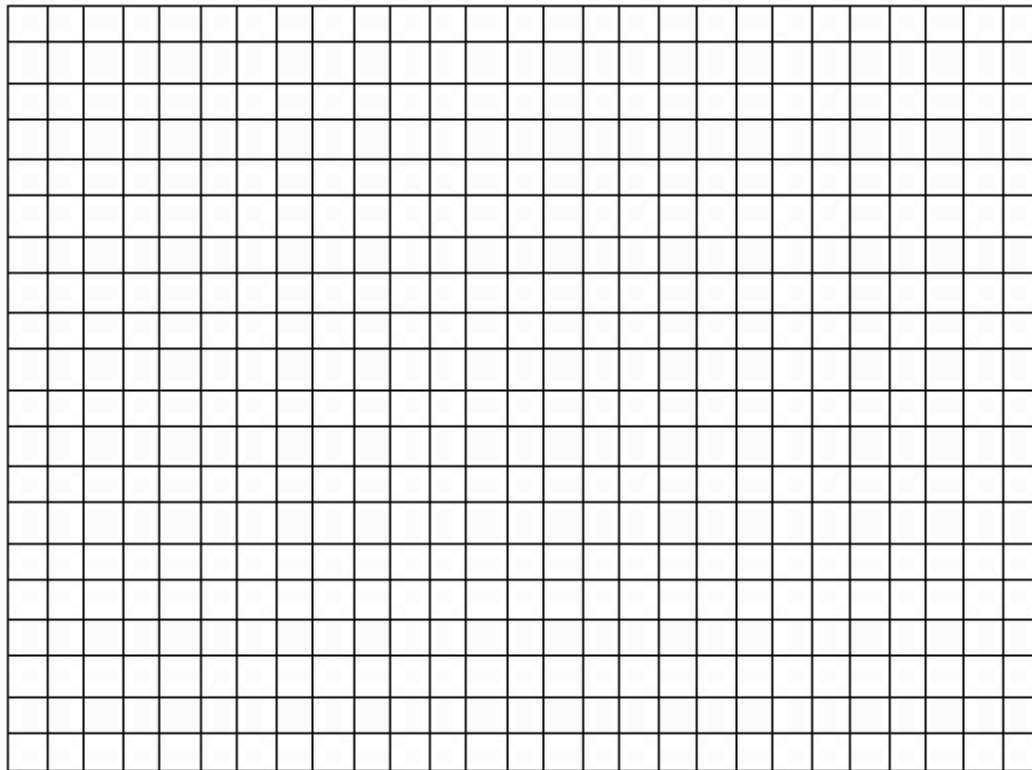
2) Based on the pattern above, how much does each company charge, *in addition to the price per person*? What is the mathematical term for this value?

       Caps-N-Gowns-R-Us:

       Graduation Station:

3) Write the rules (equations) for both companies (y=mx + b)

       Caps-N-Gowns-R-Us:

       Graduation Station:

4) What is the importance of the point of intersection?