

Comparison Studio - Together

Name: _____ Period: _____

START WRITING: STEP 2

F1 y-intercept. Check at Step 3.

1. RECORD THE FOUR FUNCTIONS

Step numbers match the website counter. Write first; check when the answer appears.

Property	F1: Graph	F2: Table	F3: Equation	F4: Words
Slope m Keep the signs.	Step 4: write / 5: check _____	Step 8: write / 9: check _____	Step 10: write / 11: check _____	Step 12: write / 13: check _____
Up/down units for 1 unit right Use for steepness.	Step 14: write / 15: check _____	Step 14: write / 15: check _____	Step 14: write / 15: check _____	Step 14: write / 15: check _____
y-intercept b Keep the signs.	Step 2: start / 3: check _____	Step 6: write / 7: check _____	Step 10: write / 11: check _____	Step 12: write / 13: check _____
y-intercept distance from 0 Count units; no minus sign.	Step 15: write together _____	Step 15: write together _____	Step 15: write together _____	Step 15: write together _____

2. SHOW THE SLOPE WORK

Slope = change in y ÷ change in x.

F1: Graph	Step 4: write / 5: check
First point: (____, ____)	Second point: (____, ____)
$m = \frac{\text{change in y}}{\text{change in x}} = \underline{\hspace{2cm}}$	

F2: Table	Step 8: write / 9: check
First point: (____, ____)	Second point: (____, ____)
$m = \frac{\text{change in y}}{\text{change in x}} = \underline{\hspace{2cm}}$	

3. COMPARE AND EXPLAIN

Use the named row above. Write the function(s) and the numbers that prove it.

Question	Use this row / rule	Function(s)	Numerical evidence
Greatest slope? Step 16: write / 18: check	Slope m Choose the greatest signed number.	_____	_____
Steepest graph? Step 19: write / 21: check	Up/down units for 1 unit right Choose the most units.	_____	_____
y-intercept closest to 0? Step 22: write / 24: check	y-intercept distance from 0 Choose the fewest units.	_____	_____
y-intercepts greater than -3? Step 25: write / 27: check	y-intercept b Choose ALL values greater than -3.	_____	_____

ALEKS - Your Turn

Name: _____ Period: _____

ALEKS PROBLEM 1

ALEKS question #: _____

Property	F1	F2	F3	F4
Slope m (keep the signs)				
Up/down units for 1 unit right				
y-intercept b (keep the signs)				
y-intercept distance from 0				

Use the same process. Keep this sheet.

Write your work before entering ALEKS answers.

Read each question. Use only the row it asks about.

Graph: show your slope work

Points: (____, ____) to (____, ____)

$$m = \frac{\text{change in y}}{\text{change in x}} = \frac{\quad}{\quad}$$

Table: show your slope work

Points: (____, ____) to (____, ____)

$$m = \frac{\text{change in y}}{\text{change in x}} = \frac{\quad}{\quad}$$

Part	Property row I used	Function(s)	Numbers that prove my answer
(a)	_____	_____	_____
(b)	_____	_____	_____
(c)	_____	_____	_____

ALEKS PROBLEM 2

ALEKS question #: _____

Property	F1	F2	F3	F4
Slope m (keep the signs)				
Up/down units for 1 unit right				
y-intercept b (keep the signs)				
y-intercept distance from 0				

Read each question. Use only the row it asks about.

Graph: show your slope work

Points: (____, ____) to (____, ____)

$$m = \frac{\text{change in y}}{\text{change in x}} = \frac{\quad}{\quad}$$

Table: show your slope work

Points: (____, ____) to (____, ____)

$$m = \frac{\text{change in y}}{\text{change in x}} = \frac{\quad}{\quad}$$

Part	Property row I used	Function(s)	Numbers that prove my answer
(a)	_____	_____	_____
(b)	_____	_____	_____
(c)	_____	_____	_____