

Name _____

Date _____ Pd. _____

Notes: Writing Equations in Slope-Intercept Form Day 1

Example 1 Write an equation of a line that passes through $(-4, 2)$ with slope 3.

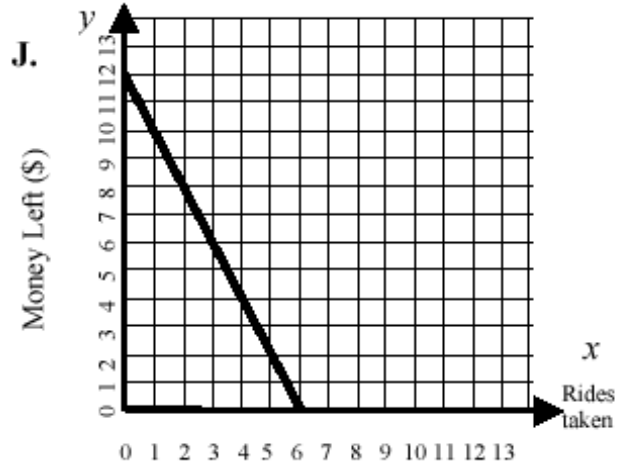
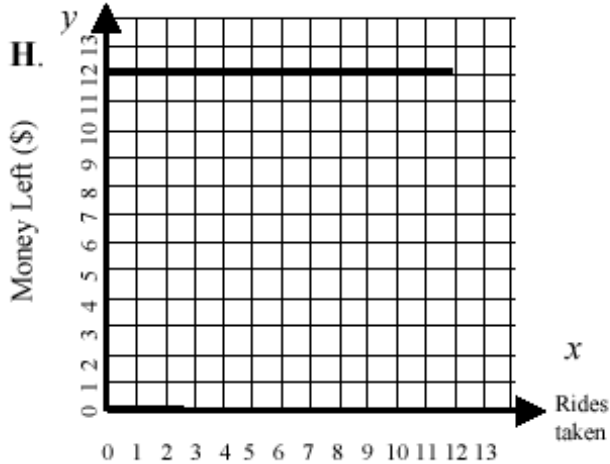
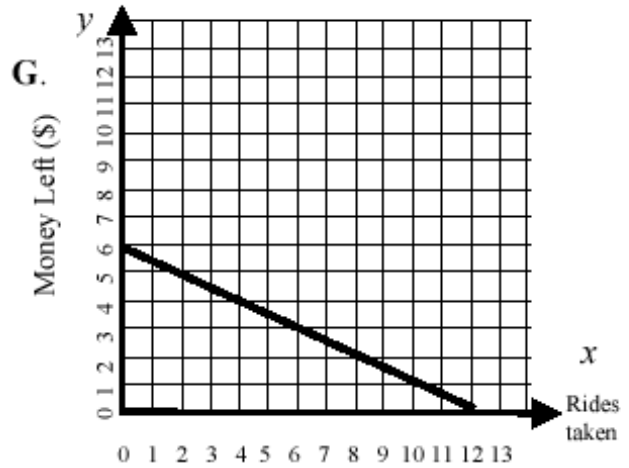
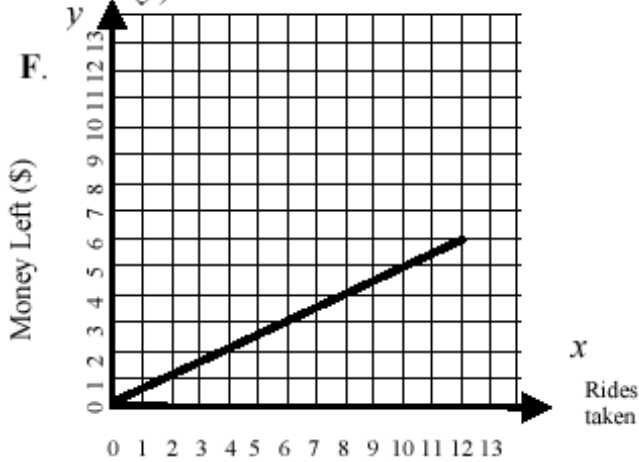
Example 2 Write an equation of the line that passes through $(-2, -1)$ with slope $\frac{1}{4}$.

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Exit Card: Writing Equations in Slope-Intercept Form Day 1

Carlos went to the park with \$12. Each ride at the park costs \$2. Which graph below shows the relationship between the number of rides he has taken (x) and the amount of money he has left (y)?



ECR

A copier decreases in value once it is purchased. The value of the copier (V) is a linear function of the number of years (t) since it was purchased. The table below shows the value of the copier after years 1 and 3.

Year (t)	Value (V)
1	\$2720
3	\$1360

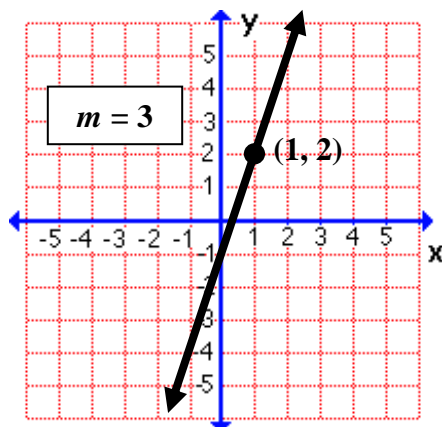
- At what rate is the copier losing value? Use mathematics to explain how you determined your answer. Use words, symbols, or both in your explanation.
- Write an equation for the value, V , of the copier as a function of the number of years, t , since it was purchased.
- What was the value of the copier when it was purchased? Use mathematics to explain how you determined your answer. Use words, symbols, or both in your explanation.
- When will the copier have a value of zero? Use mathematics to explain how you determined your answer. Use words, symbols, or both in your explanation.

Name _____

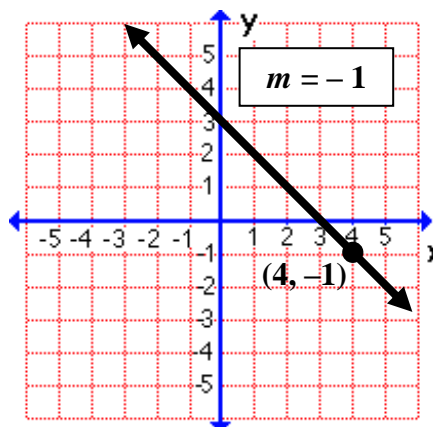
Date _____ Pd. _____

Homework: Page 284 (11 – 14, 19 – 21, 28)

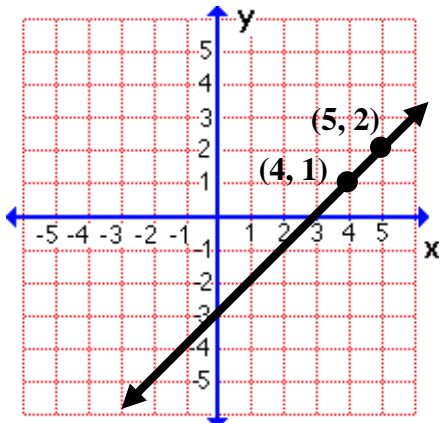
11. Write an equation for the line.



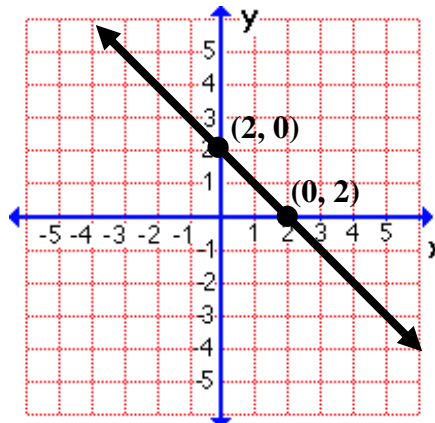
12. Write an equation for the line.

13. Write an equation for the line that passes through (5, -2) and $m = 3$.14. Write an equation for the line that passes through (5, 4) and $m = -5$.

19. Write an equation for the line.



20. Write an equation for the line.



21. Write an equation for the line that passes through (4, 2) and (-2, -4).

28. Write an equation for the line that passes through (5, 7) and (0, 6).