Real world problem

$y = 5x + 20$

y = cost
x = # of shirts

a) Graph → already practice

b) Interpret slope (Rate) + y-intercept (Point) (beginning)

The slope represents \$5 per shirt.
The y-intercept represents the intial cost for a design.

6-2 HW

HW Pg. 360
10, 12, 16, 18, 22, 24, 25, 26, 27, 30, 36

10. $m = -3/7$
$(0, -\frac{1}{7})$

12. $m = -3$
$(0, -4)$

16. $y = -\frac{1}{4}x + 5$

18. $y = -2x + 6$

graph 22. $y = -\frac{4}{3}x + 1$

24. $y = -2x - 3.5$

25. $y = 3x + 1.5$

26 a) Graph;
b) Slope → 65 mph
y-intercept → 1,000 miles in trip

36 A

27 a) graph;
b) Slope: hourly rental charge \$15
y intercept: Base fee \$35

30. a) $y = 8x + 20$ y = Postcards, x = # of vacations
b) Graph
c) $m = 8$ y-int $(0, 20)$
d) She gains 8 cards per trip
e) She started with 20 cards

12 undefined