NRF 10 Name_____ ID: 1

Chapter 6 Assignment - B

Date_____ Period____

Write the slope-intercept form(y=mx+b) of the equation of the line through the given point with the given slope.

1) through: $(1, 4)$, slope = undefined

2) through: $(-4, 5)$, slope $= -\frac{5}{4}$

3) through: $(-2, 1)$, slope $= \frac{1}{2}$

4) through: $(1, 5)$, slope $= 0$

5) through: $(1, 1)$, slope $= 4$

Write the slope-intercept form(y=mx+b) of the equation of the line through the given points.

6) through: $(3, -4)$ and $(-2, -4)$

7) through: $(0, 2)$ and $(4, 1)$

8) through: $(-4, -5)$ and $(4, 5)$

9) through: $(3, 4)$ and $(-5, -5)$

10) through: $(-2, 4)$ and $(-4, -2)$

11) through: $(1, 0)$ and $(-5, 2)$

12) through: $(-2, 4)$ and $(2, -2)$

13) through: $(5, 2)$ and $(5, 3)$

Write the slope-intercept form(y=mx+b) of the equation of each line.

14) $y+5=5(x+2)$

15) $y-1=\frac{1}{4}(x+4)$

16) $y-3=-2(x+1)$

17) $y+1=-\frac{1}{3}(x+3)$

18) $y-5=-\frac{9}{4}(x+4)$

19) $y+3=\frac{2}{3}(x+3)$

20) $y+3=x+5$

21) $y+4=-\frac{3}{2}(x-2)$

22) $2x=\frac{10}{3}-\frac{10}{3}y$

23) $2y+2=-4x$

24) $9x-4y=16$

25) $6=x+\frac{3}{2}y$

26) $-2x+6=0$

27) $3x=y+5$

28) $0=-25+2x-5y$

29) $7x=5y+20$