Name_____Period_____ 5.1-5.2 Wkst

**WRITE AN EQUATION IN SLOPE-INTERCEPT FORM OF EACH LINE DESCRIBED**

**1.** slope 2 ; y-intercept 3

**2.** slope –4 , y-intercept 2

**3.** slope $\frac{1}{2}$ y-intercept 5

**4.** slope $\frac{1}{3}$ y-intercept 6

**5.** slope $-\frac{1}{2}$ y-intercept 4

**6.** slope $-\frac{1}{4}$ y-intercept 4

**7.** slope $\frac{2}{3}$ y-intercept –6

**8.** slope 3 y-intercept –7

**9.** slope $-\frac{2}{5}$ y-intercept –1

**10.** slope 2; passes through (3,–1)

**11.** slope 3; passes through (–1,2)

**12.** slope –4; passes through (2,3)

**13.** slope –2; passes through (–3,1)

**14.** slope $\frac{2}{3}$; passes through (0,3)

**15.** slope $-\frac{4}{3}$; passes through (1,0)

**16.** slope $-\frac{3}{5}$; passes through (–1,–4)

**17.** slope –1; passes through (3,1)

**18.** slope 0; passes through ($\frac{1}{4}$,2)

**WRITE AN EQUATION IN SLOPE-INTERCEPT FORM OF THE LINE PASSING THROUGH THE GIVEN POINTS**

**19.** (4,5),(2,1)`

**20.** (–1,2),(4,7)

**21.** (1,2),(4,4)

**22.** (3,4),(4,6)

**23.** (3,1),(5,2)

**24.** (0,–2),(–3,2)

**25.** (0,–1),(–2,3)

**26.** (6,4),(2,1)

**27.** (–2,8),(1,2)

**28.** (0,3),(–1,0)

**29.** (–1,3),(2,0)

**30.** (1,–7),(2,–1)