

Algebra 1

Practice Quiz 4.1-4.4

NAME _____

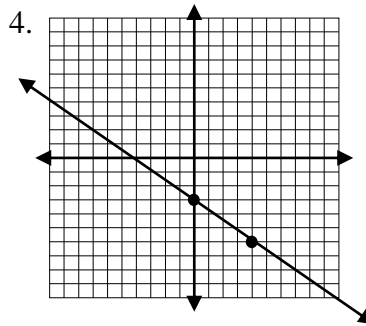
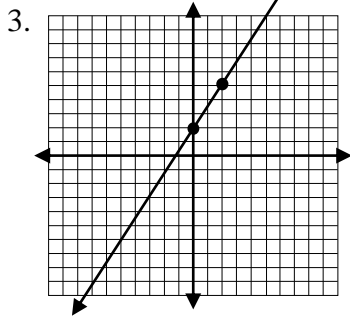
Write an equation of a line in **SLOPE-INTERCEPT** form with the given slope and y-intercept. (2 Points)

1. slope: 3, y-intercept: -6

2. slope: $\frac{3}{2}$, y-intercept: 5

1. _____

Write an equation in **SLOPE-INTERCEPT** form for each graph. (2 Points)



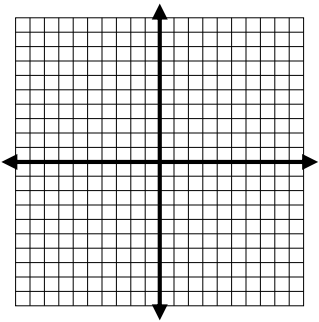
2. _____

3. _____

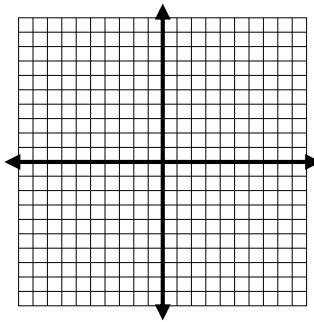
4. _____

Graph each equation. (3 Points)

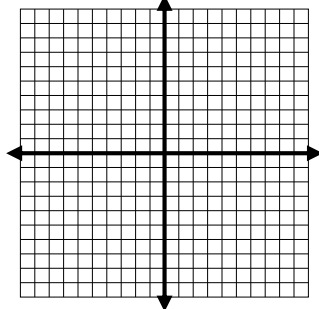
5. $y = \frac{1}{2}x + 3$



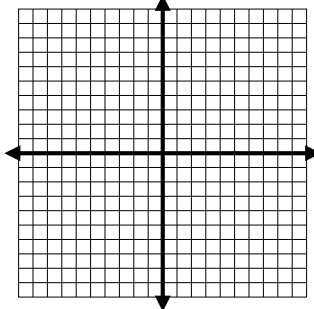
6. $y = -\frac{3}{4}x + 2$



7. $y = 4x + 3$



8. $y = -2$



Points(20) _____

Write an equation in **SLOPE-INTERCEPT** form for each. (2 Points)

9. passes thru (-3, 1), $m = 4$

10. passes thru (2, 5), $m = -2$

9. _____

11. $y + 4 = x + 7$

12. $y - 5 = 2(x - 1)$

10. _____

11. _____

12. _____

(3 Points)

13. passes thru (-1, 6),

parallel to $y = 2x - 1$

14. passes thru (4, -3),

perpendicular to $y = \frac{1}{5}x - 3$

13. _____

14. _____

15. _____

16. _____

Write an equation in **STANDARD** form for each. (2 Points)

15. $y + 3 = -4(x + 1)$

16. $y - 2 = \frac{1}{3}(x - 9)$

17. _____

18. _____

Points(22) _____

Determine whether the graphs of the following equations are parallel or perpendicular. (2 Points)

17. $y = -3x + 2$; $4y = 12x - 8$

18. $3y = 4x + 6$; $8y + 6x = -16$