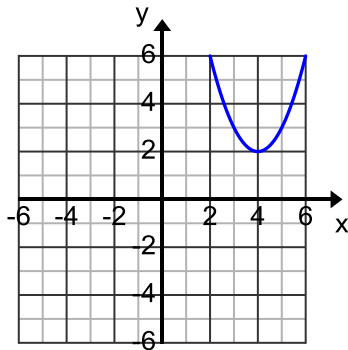


Trig Chapter 6 Practice Test 1

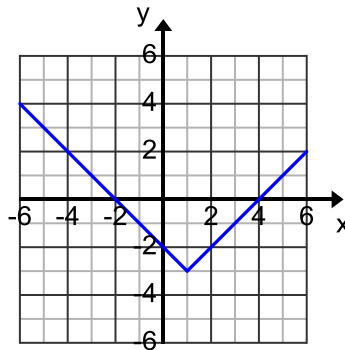
Name _____

Give the equation of each graph at the bottom of the page.

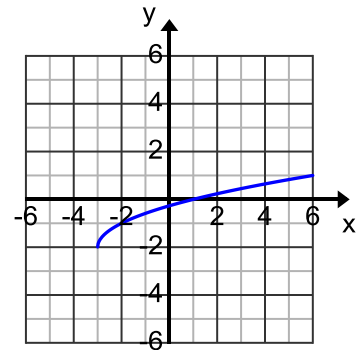
Graph 1



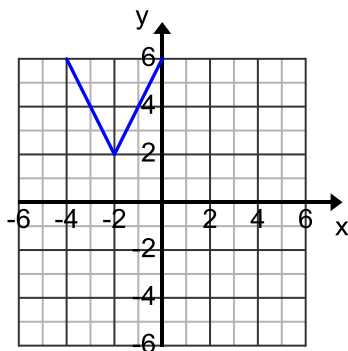
Graph 2



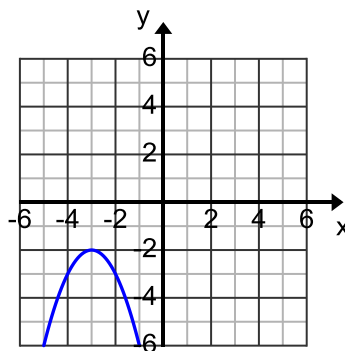
Graph 3



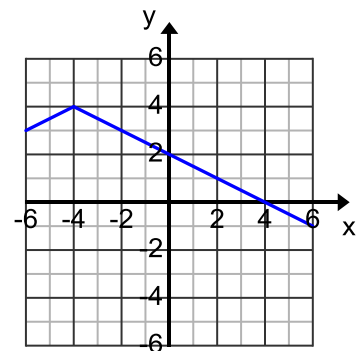
Graph 4



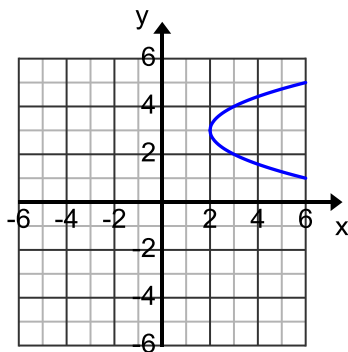
Graph 5



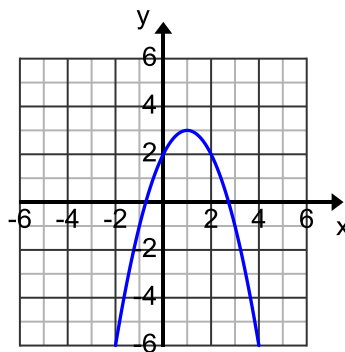
Graph 6



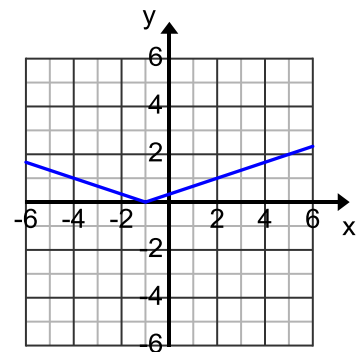
Graph 7



Graph 8



Graph 9



1: _____

2: _____

3: _____

4: _____

5: _____

6: _____

7: _____

8: _____

9: _____

Solve the following inequalities.

10. $|x+3| > 8$

11. $|2x+5| > 11$

12. $|5x-1| < 9$

13. $|2x+11| < -2$

**For the even numbers, determine the horizontal and vertical asymptotes.
For the odd numbers, determine if there is a slant or hole.**

14. $y = \frac{x^3}{x^2 - x - 12}$

H: _____ V: _____

15. $y = \frac{x^2 + 7x + 10}{x + 2}$

Hole: _____ Slant: _____

16. $y = \frac{3x^2 - 8}{4x^2}$

H: _____ V: _____

17. $y = \frac{x^2 + 6x + 8}{x + 5}$

Hole: _____ Slant: _____

18. $y = \frac{5x^3 + 4}{x}$

H: _____ V: _____

19. $y = \frac{x^2 + 7x + 1}{x + 6}$

Hole: _____ Slant: _____

20. $y = \frac{x+5}{x^2 - 9}$

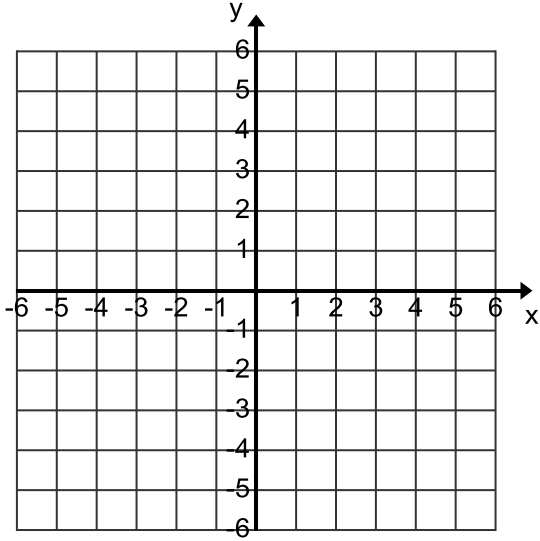
H: _____ V: _____

21. $y = \frac{x^2 + 7x + 12}{x + 3}$

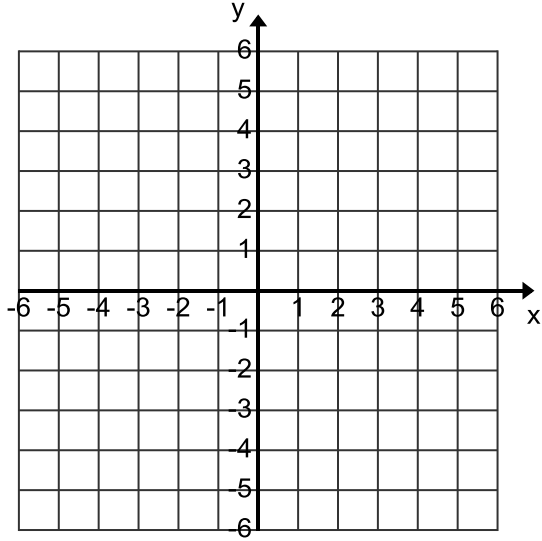
Hole: _____ Slant: _____

Graph the following on the given graphs.

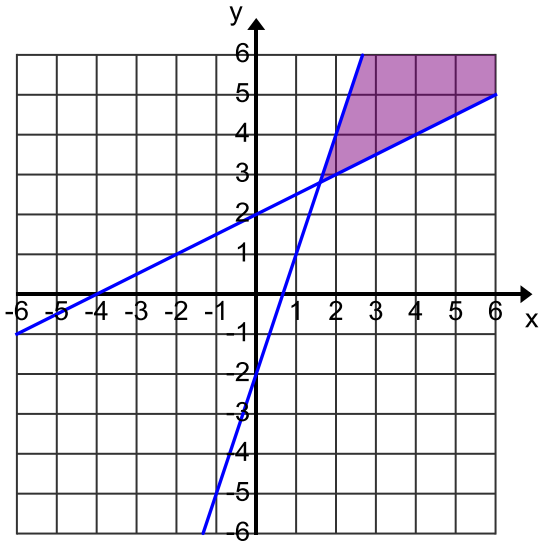
22.
$$\begin{cases} y > -2x - 1 \\ y \leq \frac{1}{2}x + 2 \end{cases}$$



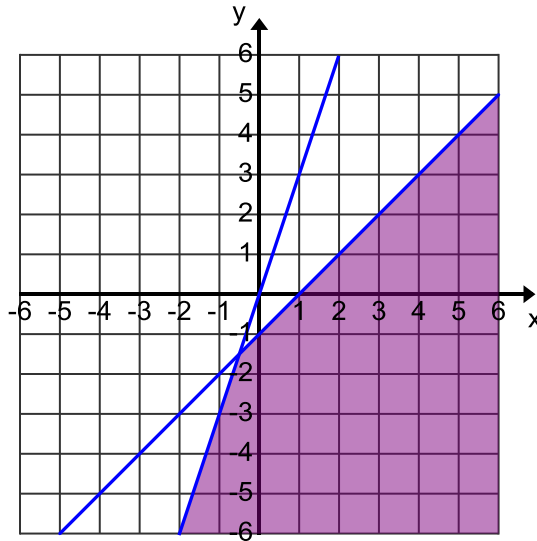
23.
$$\begin{cases} y \leq \frac{1}{2}x - 1 \\ y > -2x + 1 \end{cases}$$



For 24-25, tell what system of inequalities is graphed.



24.
$$\left\{ \right.$$



25.
$$\left\{ \right.$$