

HW: Trig Graphs #6 (on back of #5): 1-7, 9;
Page 419: 18, 22, 30; Page 435: 26, 29

page 419

In Problems 17–40, graph each function. Be sure to label key points and show at least two cycles. Use the graph to determine the domain and the range of each function.

18. $y = -2 \tan x$

22. $y = \tan\left(\frac{1}{2}x\right)$

30. $y = \frac{1}{2} \csc(2x)$

page 435

In Problems 24–32, graph each function. Each graph should contain at least two periods. Use the graph to determine the domain and the range of each function.

24. $y = 2 \sin(4x)$

25. $y = -3 \cos(2x)$

26. $y = \tan(x + \pi)$

27. $y = -2 \tan(3x)$

28. $y = \cot\left(x + \frac{\pi}{4}\right)$

29. $y = 4 \sec(2x)$

30. $y = \csc\left(x + \frac{\pi}{4}\right)$

31. $y = 4 \sin(2x + 4) - 2$

32. $y = 5 \cot\left(\frac{x}{3} - \frac{\pi}{4}\right)$