

Precalculus:

Homework  
10/2-10/6

due: Tuesday: read pp. 132-134  
pp. 135-136 / #10, 11, 14, 16, 22, 25, 28, 44

on: Wednesday: test

due: Thursday:

Write each function without using absolute value signs, sketch, and find the domain and the range:

1.  $y = |x + 3|$
2.  $y = 2x + |x - 1|$
3.  $y = |2x + 6| - 4$
4.  $y = 2x + |2x - 3| + 1$

Friday:

Sketch each function. Determine the domain and the range.

1.  $y = 3\llbracket x \rrbracket$
2.  $y = \llbracket x \rrbracket + 4$
3.  $y = 2\llbracket x \rrbracket - 1$
4.  $y = \llbracket x - 1 \rrbracket$

Tuesday:

Sketch each function. Find the domain and the range.

1.  $y = 5U(x)$
2.  $y = \operatorname{sgn}(x) + 4$
3.  $y = U(x) - 2$
4.  $y = -3\operatorname{sgn}(x)$
5.  $y = 2\operatorname{sgn}(x) + 3U(x)$
6.  $y = |\operatorname{sgn}(x)|$