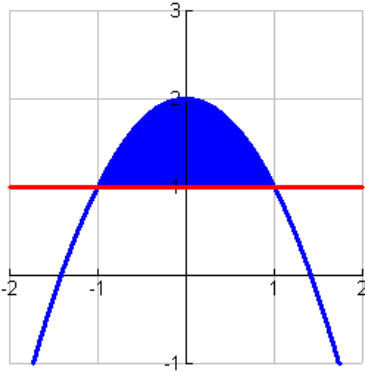


7.2 Volume: Disk and Washer Methods – day 2
(rotations off an axis)

- 1) Find the volume of the solid formed by revolving the region bounded by $f(x) = 2 - x^2$ and $g(x) = 1$ about the line $y = 1$.

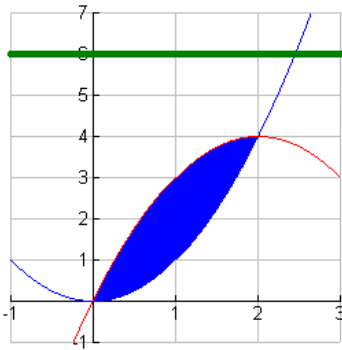


- 2) Find the volume of the solid formed by revolving the region bounded by $y = 2x^2$, $y = 0$ and $x = 2$ around the line $x = 2$.

3) Find the volume of the solid formed by revolving the region bounded by $y = x^2$ and $y = 5$ around the line $y = 5$.

4) Find the volume of the solid formed by revolving the region bounded by the graphs of $y = x^2$ and $y = 8$ about the line $y = -2$.

5) Find the volume of the solid formed by revolving the region bounded by the graphs of $y = x^2$ and $y = 4x - x^2$ about the line $y = 6$.



6) Find the volume of the solid generated by revolving the region bounded by the graphs of $y = 6 - x$, $y = 0$, $y = 4$, and $x = 0$ about the line $x = 6$.

