

Graph the equations on a coordinate plane. State what figure is formed then calculate the area bounded by the equations.

1. Find the area bounded by the x-axis, the y-axis, and the graph $y = -\frac{1}{2}x + 3$.
2. Find the area bounded by the x-axis, the y-axis, and the graph $y = x - 4$.
3. Find the area bounded by the x-axis, the y-axis, and the graph $y = \frac{3}{4}x + 3$.
4. Find the area bounded by the x-axis, $x = 1$, $x = 3$, and $y = 2x + 3$.
5. Find the area bounded by the x-axis, $y = 5$, $x = 3$, and $x = 0$.
6. Find the area bounded by the y-axis, $y = 1$, $y = 6$, and $y = 3x - 9$.
7. Find the area bounded by the x-axis, $x = 4$, $y = 2x$ and $y = 2x - 8$.

key

