Sketch the asymptotes and the graph of each equation.

1. $y = \dfrac{1}{x} - 3$

2. $y = -\dfrac{2}{x} - 3$

3. $y = \dfrac{1}{x-2} + 5$

4. $y = \dfrac{1}{x-3} + 4$

5. $y = \dfrac{2}{x+6} - 1$

6. $y = -\dfrac{10}{x+1} - 8$

7. $y = \dfrac{1}{x} + 2$

8. $y = -\dfrac{8}{x+5} - 6$