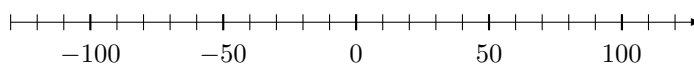


Name: _____ Section: _____

Problem 1. Express $x < 5$ in interval notation (1 point).

Problem 2. Graph $[-50, 20) \cup (-10, 40)$ on the number line below (2 points).



Problem 3. Rationalize $\frac{x^2}{\sqrt[3]{y^5}}$ (2 points).

Problem 4. Simplify the following expression (5 points):

$$\left(\frac{5a^3b^{-2}}{c^{-5}b^4}\right)^{-3}$$