

Simplify each. Show work. Circle your answers.

1.
$$\frac{\frac{8}{x} + \frac{3}{4y^3}}{\frac{1}{y^2} - \frac{7}{5x^4}}$$

2.
$$\frac{\frac{5}{6a^3b} - \frac{3}{2b^2}}{\frac{9}{4ab^5} + \frac{2}{3a^4}}$$

3.
$$\frac{\frac{2}{x+6} - 8}{3 + \frac{5}{x+6}}$$

4.
$$\frac{\frac{4}{x^2 - x - 6}}{\frac{3}{x^2 + 5x + 6} + \frac{2}{x^2 - 9}}$$