

(1) [5 points] Solve and state your answer using interval notation:

$$|2x - 1| \leq 1$$

(2) [5 points] Rationalize the denominator:

$$\frac{\sqrt{3}}{5 - \sqrt{2}}$$

(3) [5 points] Simplify and state your answer using only positive exponents:

$$\frac{(16x^2y^{-1/3})^{3/4}}{(xy^2)^{1/4}}$$