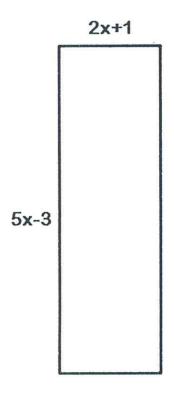9. Write an expression to represent the area of the rectangle below.

2x+1

5x-3

Simplify: a) $(x^{1/2}y^{5/4})(x\,y^{1/4})$ b) $x^{\frac{3}{4}} \cdot \sqrt[5]{x^2}$ c) $\sqrt{96x^5y^7z^2w}$ d) $(k^{\frac{2}{x}})^{\frac{x}{4}}$ NC

Simplify. Your answer should contain only positive exponents with no fractional exponents in the denominator.

a) $\dfrac{a^{-5}b^8c^{11}}{a^2b^{-7}c}$ b) $\dfrac{a^{\frac{4}{5}}}{b^{\frac{-7}{5}}}$ c) $\dfrac{a^7b^{-5}c^{-9}}{a^2b^{-3}c^5}$ NC