(b) 
$$(-3x^{-4})(27x^{-10}) = [-75 \times x^{-14}]$$

$$(5x^{-3}y^{4})(-2x^{-9-2})=[-10x^{-12}y^{2}]$$

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$$\bigcirc$$
  $\frac{10^{-2}}{10^{-8}} = 10^{6}$ 

Page 43 (27) 
$$\frac{9a^2}{(-3a)^2} = \frac{9a^2}{9a^2} = \frac{11}{10x^5a}$$
  
 $\frac{37}{37} = \frac{43}{37} = \frac{46}{37} = \frac{10x^5a}{37} = \frac{10x^5$ 

$$\left(\frac{2x^{\frac{3}{4}-2}}{3y^{-3}}\right)^{3} = \frac{2^{3}x^{\frac{9}{4}}y^{\frac{3}{4}}}{3^{\frac{3}{4}}} = \frac{9x^{\frac{9}{4}}y^{\frac{3}{4}}}{27}$$