

Name \_\_\_\_\_

Math 94 In-class Exercise [Sections 1.8 & 1.9]

Find each product or quotient:

1a)  $\left(\frac{-8}{3}\right)\left(\frac{5}{6}\right)(-9)$

(b)  $\frac{25}{-10}$

2a)  $\frac{(-2)^3}{(-3)^2}$

(b)  $\frac{-16}{3} \div \left(\frac{4}{-3}\right)$

3a) Evaluate:  $2^3 - 2 \cdot 6 \div 2$

(b) Evaluate:  $\frac{35 - (2 \cdot 3 - 4)}{7 - 6 \cdot 3}$

4. Evaluate each expression for the given value of the variable or variables:

(a)  $5x^2 - 6x$ , for  $x = -3$

(b)  $x^2 - xy - y^2$ , for  $x = -2, y = -5$