

### HOMEWORK QUIZ – Equation Solving and Modeling

Date: \_\_\_\_\_ Form A

Name \_\_\_\_\_

Questions 1 – 2: Find the exact solution algebraically.

1.  $3^x = 243$

2.  $\log_2(x - 4) = -1$

Questions 3 – 5: Find the approximate solution to three decimal places.

3.  $5(3^x) = 25$

4.  $2\ln y = 5$

5.  $8 - 3e^{-x} = 2$

Grade: \_\_\_\_\_

### HOMEWORK QUIZ – Equation Solving and Modeling

Date: \_\_\_\_\_ Form B

Name \_\_\_\_\_

Questions 1 – 2: Find the exact solution algebraically.

1.  $5^x = 625$

2.  $\log_4(x - 2) = -1$

Questions 3 – 5: Find the approximate solution to three decimal places.

3.  $6(3^x) = 48$

4.  $4\ln y = 9$

5.  $9 - 2e^{-x} = 3$

Grade: \_\_\_\_\_