

## 9.6 Corrective Assignment - Solve Exp. and Log Equations

Name \_\_\_\_\_

Period \_\_\_\_\_

**Solve each equation by getting the same bases and equating exponents.**

1)  $64^{n+2} = 4^2$

2)  $81^{3x-3} = 27^{-3x}$

**Solve each equation. Round your answers to three decimal places.**

3)  $\log_{12} k + 4 = 6$

4)  $-5 + \log_8 6p = -3$

5)  $-5 \log_6 (x + 8) + 10 = 10$

6)  $17^{n+8} = 28$

7)  $8^{-6m} + 4 = 88$

8)  $9 \cdot 5^{r-1} = 27$

9)  $-8 \cdot 12^{4v+9} - 5 = -54$

10)  $-e^{3-2x} + 2 = -93$

Answers to 9.6 Corrective Assignment - Solve Exp. and Log Equations (ID: 1)

1)  $\left\{-\frac{4}{3}\right\}$

2)  $\left\{\frac{4}{7}\right\}$

3)  $\{144\}$

4)  $\{10.6667\}$

5)  $\{-7\}$

6)  $-6.8239$

7)  $-0.3551$

8)  $1.6826$

9)  $-2.0677$

10)  $-0.7769$