

Name: _____

College Algebra: Review (Test 4)

1. Solve.

$$2^{2x-3} = 16$$

2. Solve.

$$3^{2x-1} = 7$$

3. Solve.

$$2^{x+3} = 9^x$$

4. Solve.

$$2^{2x} - 9(2^x) - 22 = 0$$

5. Suppose \$1,500 is borrowed at 0.9% interest, compounded monthly, for 7 years. What will be the final value of this account?

6. Suppose \$2,500 is borrowed at 1.7% interest, compounded quarterly. How many years will it take for this account to be worth \$3,000?

7. Solve.

$$x^2 - 5x + 6 = 0$$

8. Solve.

$$y^2 - 4y + 4 = 0$$