

**Algebra 2 | U3.2 Worksheet – Function Types**

Name: \_\_\_\_\_ Hour: \_\_\_\_\_

Identify the following as the correct function type.

1.  $y = \sqrt{x} + 3$  Function Type: \_\_\_\_\_

2.  $y = 5x + 1$  Function Type: \_\_\_\_\_

3.  $y = 3^{x+1} + 5$  Function Type: \_\_\_\_\_

4.  $y = -2(x + 1)^2 + 3$  Function Type: \_\_\_\_\_

5.  $y = 2\sqrt[3]{x} - 7$  Function Type: \_\_\_\_\_

6.  $y = 5 \ln x + 1$  Function Type: \_\_\_\_\_

7.  $y = 5x^2 + 2x - 1$  Function Type: \_\_\_\_\_

8.  $y = 2x + 3x^2 + 1 - 4x^3$  Function Type: \_\_\_\_\_

9.  $y = 5\sqrt{x+1} - 4$  Function Type: \_\_\_\_\_

10.  $3x - 7y = 14$  Function Type: \_\_\_\_\_

11.  $y = 3 \log(x - 1) + 2$  Function Type: \_\_\_\_\_

12.  $y = \frac{1}{3}\sqrt[3]{x-1} + 4$  Function Type: \_\_\_\_\_

13.  $y = \frac{1}{2}(x - 7)^3 + 1$  Function Type: \_\_\_\_\_

14.  $y = 2^{x-1} - 4$  Function Type: \_\_\_\_\_