

Name: _____

Algebra 2 Function Family Review

Part 1: For questions 1-8, there are 2 blanks. In the first blank, match the function to the function name. In the second blank, match the graph to the function name.

- e K 1. Linear
F m 2. Radical
d n 3. Exponential (Decay)
c l 4. Exponential (Growth)
b i 5. Quadratic
h p 6. Absolute Value
a o 7. Logarithmic
g j 8. Cubic

- a. $y = \log(x)$
b. $y = x^2$
c. $y = a(b)^x$ where $b > 1$ (example $y = 2^x$)
d. $y = a(b)^x$ where $b < 1$ (example $y = (\frac{1}{2})^x$)
e. $y = x$
f. $y = \sqrt{x}$
g. $y = x^3$
h. $y = |x|$

