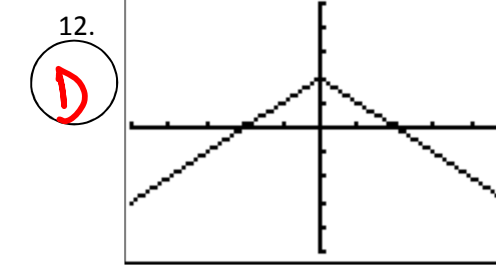
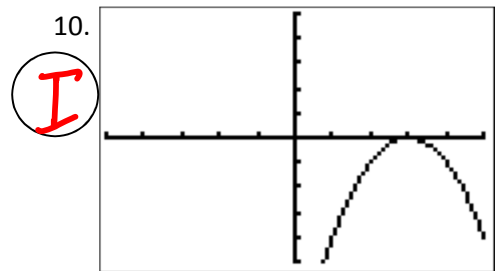
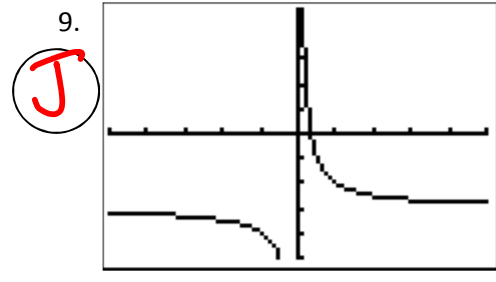
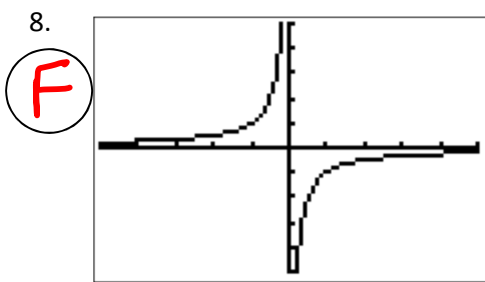
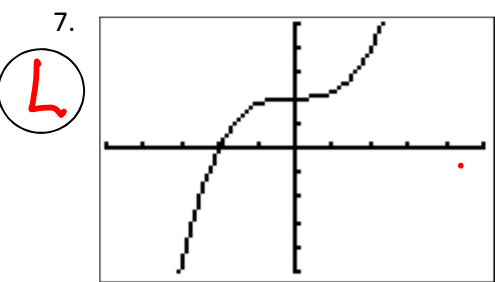
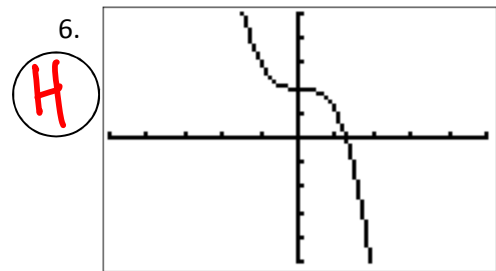
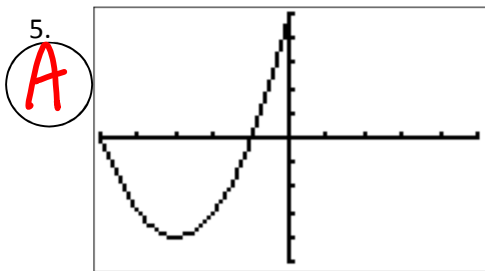
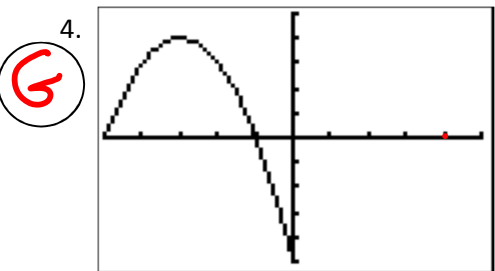
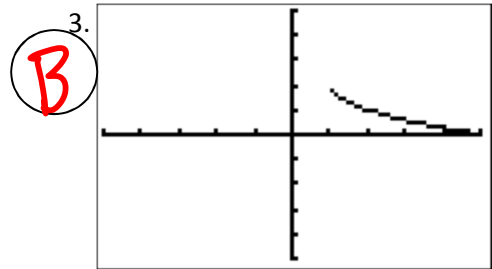
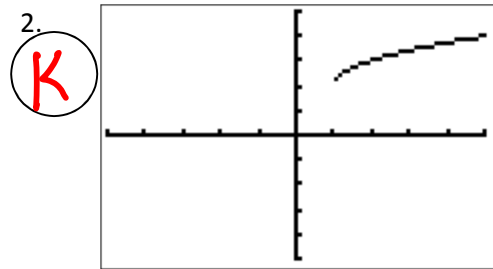
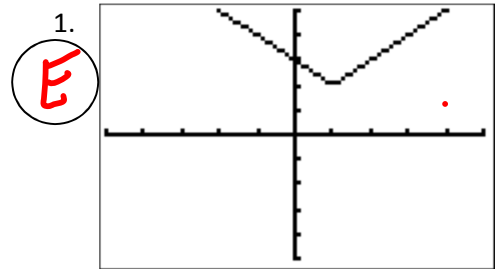


Match the correct graph with equations. Then on the second page, name the parent function and the transformation.



A. $y = -4 + (x + 3)^2$

B. $y = 2 - \sqrt{x - 1}$

C. $y = (e^x) - 3$

D. $y = 2 - |-x|$

E. $y = 2 + |x - 1|$

F. $y = -\frac{1}{x}$

G. $y = 4 - (x + 3)^2$

H. $y = -x^3 + 2$

I. $y = -(x - 3)^2$

J. $y = \frac{1}{x} - 3$

K. $y = 2 + \sqrt{x - 1}$

L. $y = \frac{1}{4}x^3 + 2$

<p>1. Parent Function: $y = x$</p> <p>-- Horizontal shift right 1</p> <p>-- Vertical Shift up 2</p>	<p>2. Parent Function: $y = \sqrt{x}$</p> <p>-- Horizontal shift right 1</p> <p>-- Vertical shift up 2</p>	<p>3. Parent Function: $y = \sqrt{x}$</p> <p>--Horizontal shift right 1</p> <p>--Reflected over x-axis</p> <p>--Vertical shift up 2</p>
<p>4. Parent Function: $y = x^2$</p> <p>--Horizontal shift left 3</p> <p>--Reflected over x-axis</p> <p>--Vertical Shift up 4</p>	<p>5. Parent Function: $y = x^2$</p> <p>--Horizontal shift left 3</p> <p>--Vertical shift down 4</p>	<p>6. Parent Function: $y = x^3$</p> <p>--Reflected over x-axis</p> <p>--Vertical shift up 2</p>
<p>7. Parent Function: $y = x^3$</p> <p>--Vertical shrink by 1/4</p> <p>--Vertical shift up 2</p>	<p>8. Parent Function: $y = \frac{1}{x}$</p> <p>--Reflected over x-axis</p>	<p>9. Parent Function: $y = \frac{1}{x}$</p> <p>--Vertical shift down 3</p>
<p>10. Parent Function: $y = x^2$</p> <p>--Horizontal shift right 3</p>	<p>11. Parent Function: $y = e^x$</p> <p>--Vertical shift down 3</p>	<p>12. Parent Function: $y = x$</p> <p>--Reflected over x-axis</p> <p>--Reflected over y-axis</p> <p>--Vertical shift up 2</p>