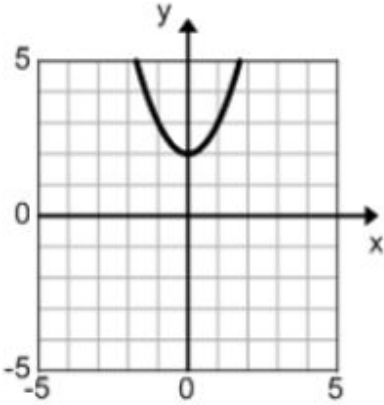
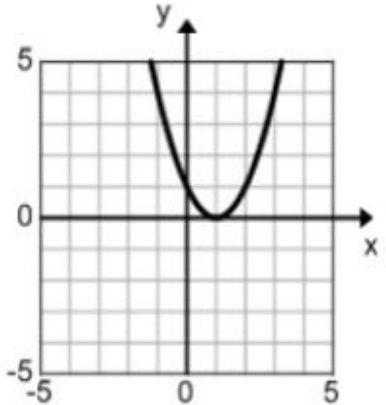
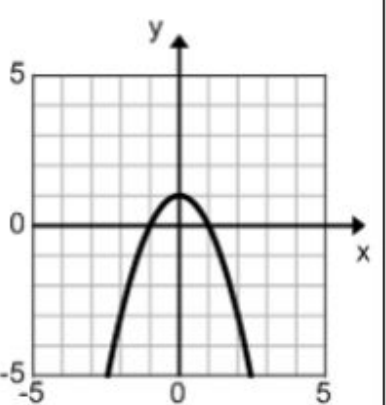
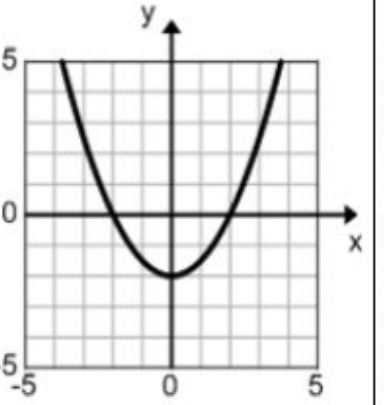


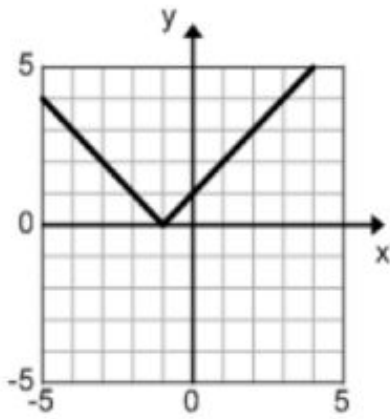
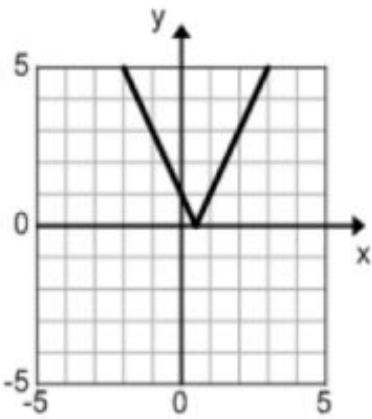
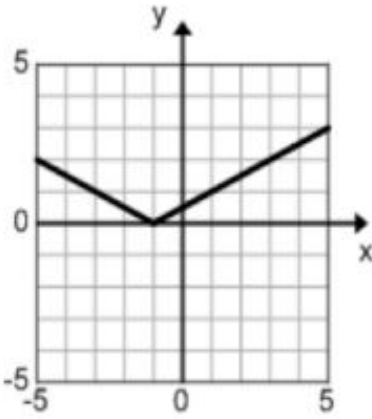
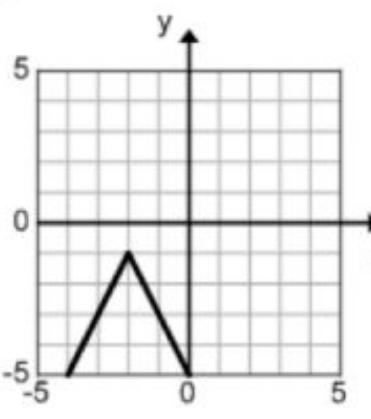
Type of Graph: Quadratic Function

Parent Function: $f(x) = x^2$

<p>G6</p> 	<p>G15</p> 	<p>G3</p> 	<p>G9</p> 
<p>E1</p> $f(x) = x^2 + 2$	<p>E2</p> $f(x) = (x - 1)^2$	<p>E3</p> $f(x) = -x^2 + 1$	<p>E4</p> $f(x) = \frac{1}{2}x^2 - 2$
<p>D4</p> <ul style="list-style-type: none"> Vertical Shift: Up 2 	<p>D3</p> <ul style="list-style-type: none"> Horizontal Shift: Right 1 	<p>D7</p> <ul style="list-style-type: none"> Reflection across x-axis Vertical Shift: Up 1 	<p>D9</p> <ul style="list-style-type: none"> Vertical Compression: $\frac{1}{2}$ Vertical Shift: Down 2
<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq 2$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq 0$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \leq 1$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq -2$</u></p>

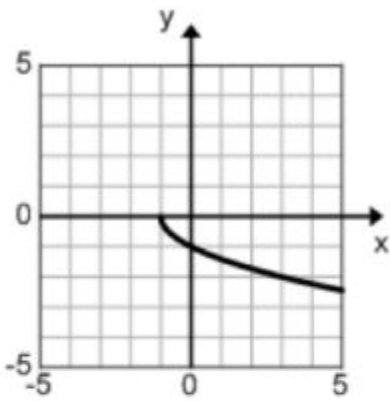
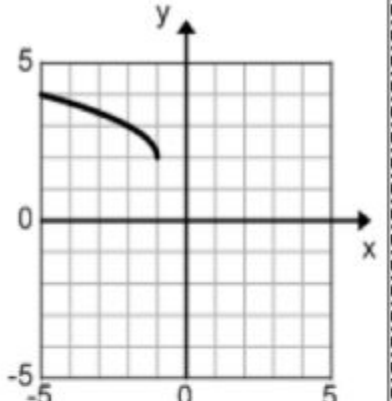
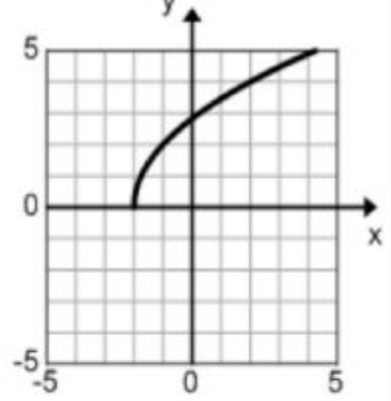
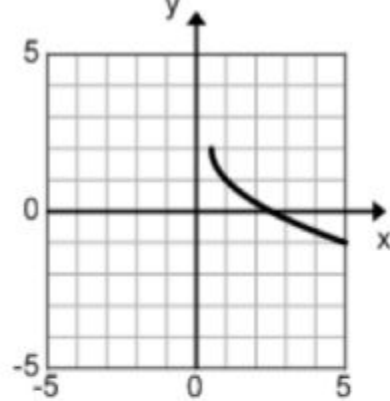
Type of Graph: Absolute Value Function

Parent Function: $f(x) = |x|$

<p>G8</p> 	<p>G14</p> 	<p>G12</p> 	<p>G2</p> 
<p>E5</p> $f(x) = x + 1 $	<p>E6</p> $f(x) = 2x - 1 $	<p>E7</p> $f(x) = \frac{1}{2} x + 1 $	<p>E8</p> $f(x) = -2 x + 2 - 2$
<p>D14</p> <ul style="list-style-type: none"> • Horizontal Shift: Left 1 	<p>D11</p> <ul style="list-style-type: none"> • Horizontal Compression: 2 • Horizontal Shift: Right 1 	<p>D12</p> <ul style="list-style-type: none"> • Vertical Compression: $\frac{1}{2}$ • Horizontal Shift: Left 1 	<p>D16</p> <ul style="list-style-type: none"> • Reflection across x-axis • Vertical Stretch: 2 • Horizontal Shift: Left 2 • Vertical Shift: Down 1
<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq 0$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq 0$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \geq 0$</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>$y \leq -1$</u></p>

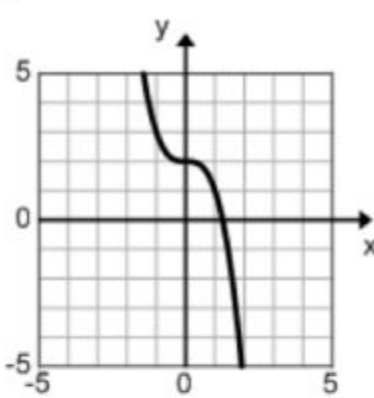
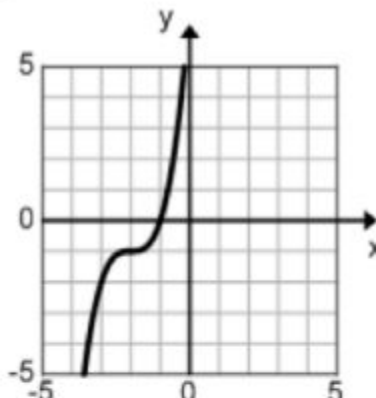
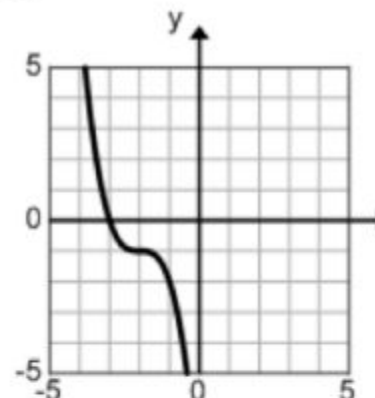
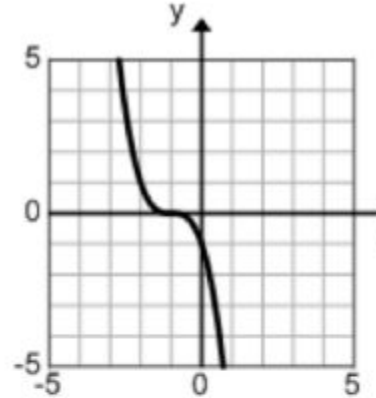
Type of Graph: Square Root Function

Parent Function: $f(x) = \sqrt{x}$

<p>G1</p> 	<p>G7</p> 	<p>G11</p> 	<p>G13</p> 
<p>E9</p> $f(x) = -\frac{1}{2}\sqrt{x+1}$	<p>E10</p> $f(x) = \sqrt{-x-1}+2$	<p>E11</p> $f(x) = 2\sqrt{x+2}$	<p>E12</p> $f(x) = -\sqrt{2x-1}+2$
<p>D8</p> <ul style="list-style-type: none"> • Reflection across x-axis • Horizontal Shift: Left 1 	<p>D10</p> <ul style="list-style-type: none"> • Reflection across y-axis • Horizontal Shift: Right 1 • Vertical Shift: Up 2 	<p>D2</p> <ul style="list-style-type: none"> • Vertical Stretch: 2 • Horizontal Shift: Left 2 	<p>D5</p> <ul style="list-style-type: none"> • Reflection across x-axis • Horizontal Compression: 2 • Horizontal Shift: Right 1 • Vertical Shift: Up 2
<p>Domain: $x \geq -1$</p> <hr/> <p>Range: $y \leq 0$</p>	<p>Domain: $x \leq -1$</p> <hr/> <p>Range: $y \geq 2$</p>	<p>Domain: $x \geq -2$</p> <hr/> <p>Range: $y \geq 0$</p>	<p>Domain: $x \geq 1/2$</p> <hr/> <p>Range: $y \leq 2$</p>

Type of Graph: Cubic Function

Parent Function: $f(x) = x^3$

<p>G4</p> 	<p>G5</p> 	<p>G16</p> 	<p>G10</p> 
<p>E13</p> $f(x) = -x^3 + 2$	<p>E14</p> $f(x) = (x + 2)^3 - 3$	<p>E15</p> $f(x) = -(x + 2)^3 - 1$	<p>E16</p> $f(x) = (-x - 1)^3$
<p>D15</p> <ul style="list-style-type: none"> • Reflection across x-axis • Vertical Shift: Up 2 	<p>D6</p> <ul style="list-style-type: none"> • Horizontal Shift: Left 2 • Vertical Shift: Down 1 	<p>D13</p> <ul style="list-style-type: none"> • Reflection across x-axis • Horizontal Shift: Left 2 • Vertical Shift: Down 1 	<p>D1</p> <ul style="list-style-type: none"> • Reflection across y-axis • Horizontal Shift: Left 1
<p>Domain: <u>All real #s</u></p> <p>Range: <u>All real #s</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>All real #s</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>All real #s</u></p>	<p>Domain: <u>All real #s</u></p> <p>Range: <u>All real #s</u></p>