

$$\text{A] } y = 2 \left| \frac{2}{3}x - 1 \right| - 3 \quad \text{B] } y = -2|3x - 1| - 3$$

$$\text{C] } y = \frac{1}{3}|4x| + 1 \quad \text{D] } y = -\frac{1}{2}|3x - 2|$$

$$\text{E] } y = -|4x + 4| + 2 \quad \text{F] } y = |5x| - 10$$

$$\text{G] } y = -|3x + 4| - 1 \quad \text{H] } y = x^2 - 2x - 24$$

$$\text{I] } y = 4x^2 - 4x + 1 \quad \text{J] } y = x^2 - 6x + 9$$

$$\text{K] } y = 3x^2 - 6x + 2 \quad \text{L] } y = \frac{1}{4}x^2 - 3$$

$$\text{M] } y = x^2 + 4x + 1 \quad \text{N] } y = -x^2 + 2x - 3$$

$$\text{O] } y = -2x^2 - 8x - 8 \quad \text{P] } y = -x^2 + 2x + 15$$

$$\text{Q] } y = -4x^2 + 9 \quad \text{R] } y = x^2 + 4x - 8$$

$$\text{S] } y = -x^2 + 4x - 8 \quad \text{T] } y = -2|4x|$$

$$\text{U] } y = 3|2x - 1| \quad \text{V] } y = -4 \left| \frac{1}{2}x + 2 \right| + 12$$

Sorting Activity

Sort the function cards into the following categories:

A] $y = 2 \left| \frac{2}{3}x - 1 \right| - 3$

F] $y = |5x| - 10$

L] $y = \frac{1}{4}x^2 - 3$

I] $y = 4x^2 - 4x + 1$

Positive y-intercept (Windows)	Negative y-intercept (Wall)	y-intercept is 0 (Back)
<p>C I J K M</p> <p>P Q U V</p>	<p>A B D E F G</p> <p>H L N O R S</p>	<p>T</p>

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Sort the function cards into the following categories:

A] $y = 2 \left| \frac{2}{3}x - 1 \right| - 3$

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I] $y = 4x^2 - 4x + 1$

No real zeros (Windows)	One real zero (Wall)	Two real zeros (Back)
<p>B G N</p> <p>C S</p>	<p>D I J O T</p> <p>U</p>	<p>A E F</p> <p>H K L</p> <p>M P Q</p> <p>R V</p>

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Sort the function cards into the following categories:

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Even Function (Windows)	Odd Function (Wall)	Neither Even nor Odd Function (Back)
<p>C F L Q</p> <p>T</p>		<p>A B D E G H I</p> <p>J K M N O P</p> <p>R S U V</p>

Sorting Activity

Sort the function cards into the following categories:

A] $y = 2 \left| \frac{2}{3}x - 1 \right| - 3$ F] $y = |5x| - 10$
 I] $y = 4x^2 - 4x + 1$ L] $y = \frac{1}{4}x^2 - 3$

Vertex is an abs. minimum (Windows)	Vertex is an abs. maximum (Wall)
<p>A C F H I J K L M R U</p>	<p>B D E G N O P Q S T V</p>

Sorting Activity

Sort the function cards into the following categories:

A] $y = 2 \left| \frac{2}{3}x - 1 \right| - 3$

F] $y = |5x| - 10$

L] $y = \frac{1}{4}x^2 - 3$

I] $y = 4x^2 - 4x + 1$

Vertex is in Q1 (Flag)	Vertex is in Q2 (Door)	Vertex is in Q3 (Printer)	Vertex is in Q4 (Painting)	Vertex is on an axis (Smartboard)
P	E V	G M R	A B H K N S	C D F I J L O Q T U