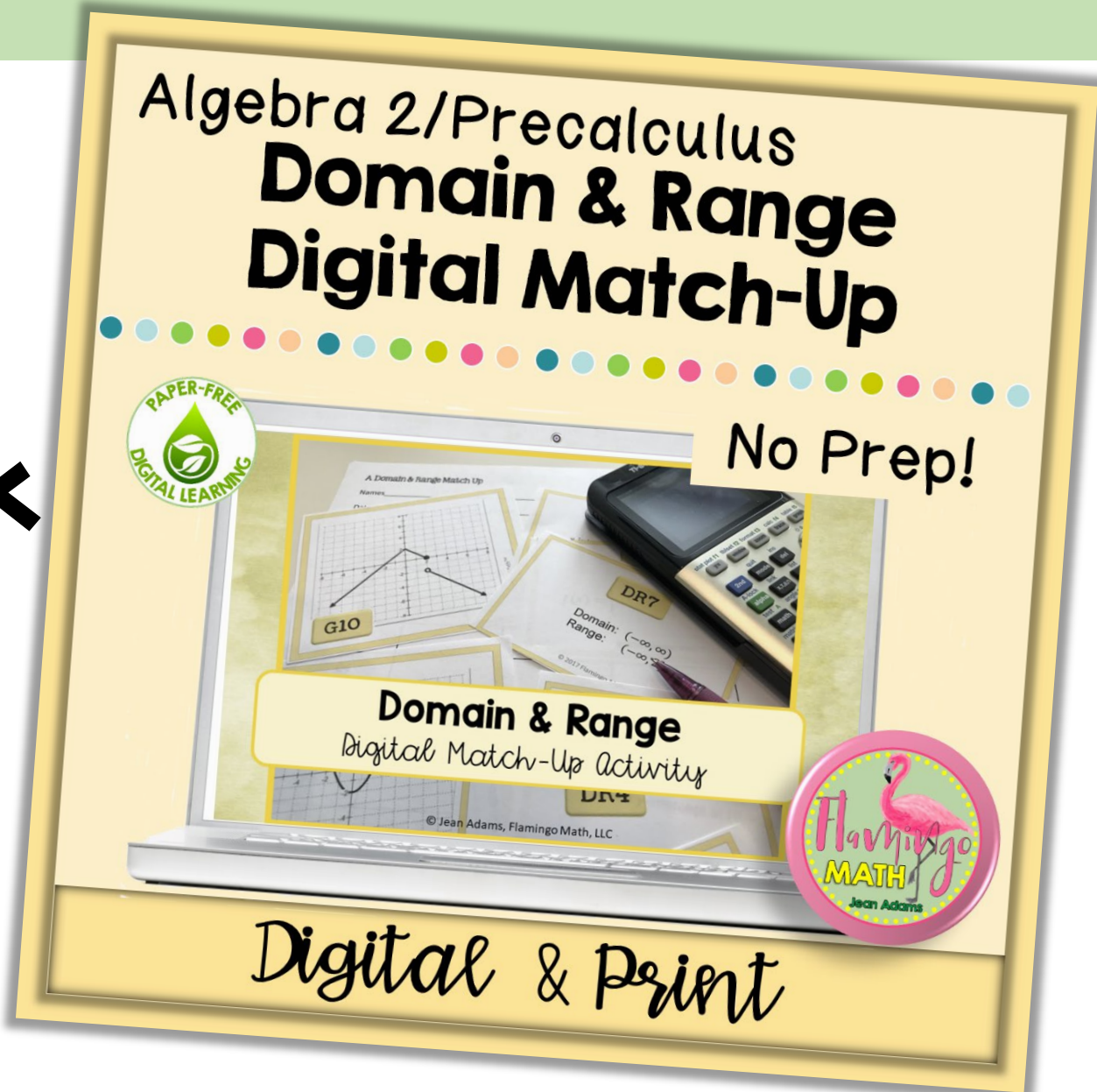
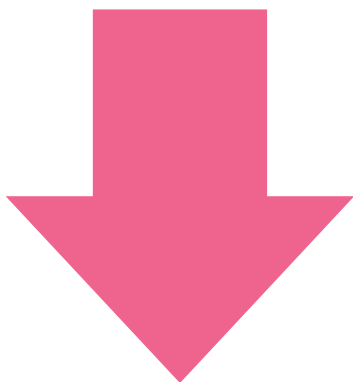


Algebra 2 or Precalculus with Google Slides Activity!

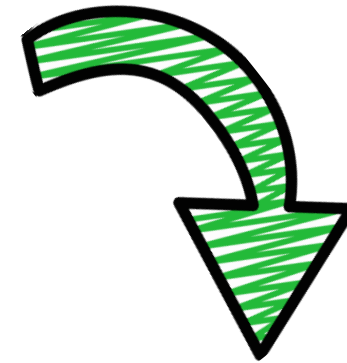
Self-Grading
Digital
No Prep Quiz

Take a look
inside!



Th Digital Slides will have Copy and Paste options to complete:

Students can find each characteristic on designated slides to copy and paste for each graph.



G1

Equation

Domain and Range

Characteristics

G2

Equation

Domain and Range

Characteristics

Domain and Range Cards

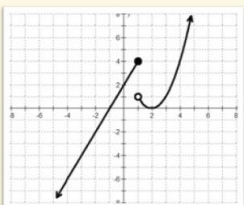
Match each Domain and Range Card on this slide with the appropriate graph card.
Copy the card and paste into the text box to match all functions to their correct graph.

DR1	Domain: $(-\infty, \infty)$ Range: $[-5, \infty)$	DR2	Domain: $(-\infty, \infty)$ Range: $(-4, \infty)$	DR3	Domain: $(-\infty, \infty)$ Range: $(-\infty, 5]$
DR4	Domain: $(-\infty, \infty)$ Range: $[-2, \infty)$	DR5	Domain: $(-\infty, \infty)$ Range: $(-\infty, 0]$	DR6	Domain: $(-\infty, \infty)$ Range: $[-4, \infty)$
DR7	Domain: $(-\infty, \infty)$ Range: $(-\infty, 2]$	DR8	Domain: $(-\infty, \infty)$ Range: $(-2, \infty)$	DR9	Domain: $(-\infty, \infty)$ Range: $(-\infty, 3)$
DR10	Domain: $(-\infty, \infty)$ Range: $(-\infty, 3]$	DR11	Domain: $(-\infty, \infty)$ Range: $(-\infty, \infty)$	DR12	Domain: $(-\infty, \infty)$ Range: $(0, \infty)$



Students copy and paste the answers into each graph card.

G7

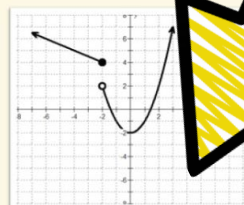


Equation

Domain and Range

Characteristics

G8



Equation

Domain and Range

Characteristics

Characteristics Cards

Match each characteristic card on this slide with the appropriate graph card.
Paste into the text box to match all functions to their correct graph.

C2 x-intercept: $(-\frac{1}{2}, 0)$ y-intercept: $(0, -1)$	C3 x-intercept: $(-1, 0)$ and $(2, 0)$ y-intercept: $(0, 2)$
C4 x-intercept at $(-2, 0)$ is a hole y-intercept: $(0, 1)$	C5 x-intercept: $(-\sqrt{5}, 0)$ and $(3, 0)$ y-intercept: $(0, 5)$
C7 x-intercept: $(3, 0)$ y-intercept: $(0, -3)$	C6 This graph looks like an absolute value function but is actually a piecewise graph.
C8 x-intercept: $(-\sqrt{5}, 0)$ and $(4, 0)$ y-intercept: $(0, -5)$	C9 This graph has two x-intercepts and a y-intercept at $(0, -2)$.
C10 x-intercept: $(0, 0)$ and $(3, 0)$ y-intercept: $(0, 0)$	C11 x-intercept: $(-2, 0)$ and $(2, 0)$ y-intercept: $(0, 2)$
E12 $f(x) = \begin{cases} -\frac{1}{2}x + 3; & x \leq -2 \\ x^2 - 2; & x > -2 \end{cases}$	C12 x-intercept: $(-4, 0)$ y-intercept: $(0, 0)$

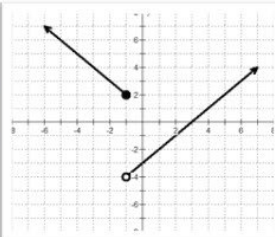
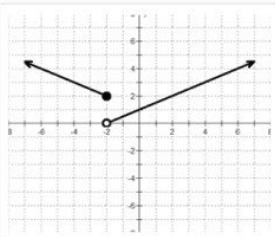
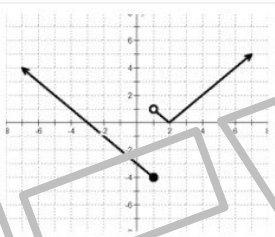
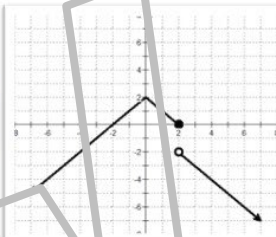
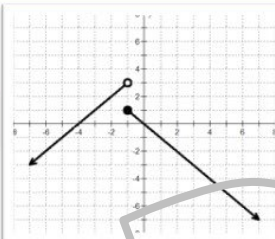
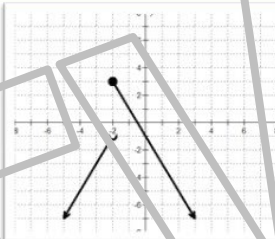
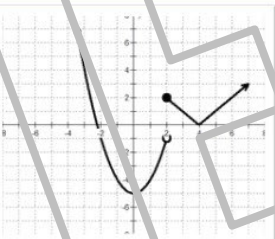
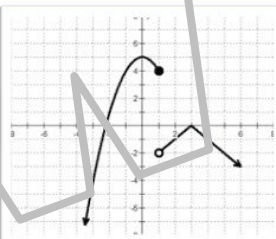
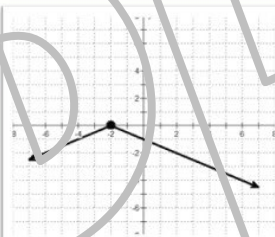
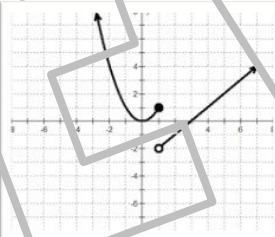
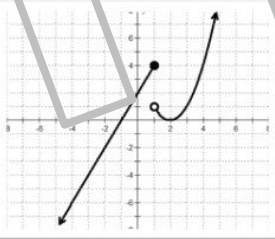
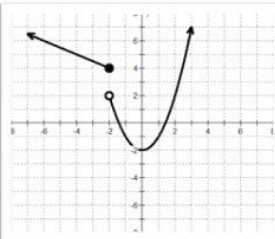
Equation Cards

Match each equation on this slide with the appropriate graph card.
Copy the card and paste into the text box to match all functions to their correct graph.

E1 $f(x) = \begin{cases} x^2 - 5; & x < 2 \\ x - 4 ; & x \geq 2 \end{cases}$	E2 $f(x) = \begin{cases} 2x + 2; & x \leq 1 \\ (x - 2)^2; & x > 1 \end{cases}$	E3 $f(x) = \begin{cases} x^2; & x \leq 1 \\ x - 3; & x > 1 \end{cases}$
E4 $f(x) = \begin{cases} x - 3; & x > -1 \\ -x + 1; & x \leq -1 \end{cases}$	E5 $f(x) = \begin{cases} x^2; & x \leq 1 \\ x - 3; & x > 1 \end{cases}$	E6 $f(x) = \begin{cases} \frac{1}{2}x + 1; & x > -2 \\ -\frac{1}{2}x + 1; & x \leq -2 \end{cases}$
E7 $f(x) = \begin{cases} x + 4; & x < -1 \\ -x; & x \geq -1 \end{cases}$	E8 $f(x) = \begin{cases} -x - 3; & x \leq 1 \\ x - 2 ; & x > 1 \end{cases}$	E9 $f(x) = \begin{cases} \frac{1}{2}x + 1; & x > -2 \\ -\frac{1}{2}x + 1; & x \leq -2 \end{cases}$
E10 $f(x) = \begin{cases} \frac{1}{2}x + 1; & x \leq -2 \\ -\frac{1}{2}x - 1; & x > -2 \end{cases}$	E11 $f(x) = \begin{cases} -2x - 1; & x \geq -2 \\ 2x + 3; & x < -2 \end{cases}$	E12 $f(x) = \begin{cases} -\frac{1}{2}x + 3; & x \leq -2 \\ x^2 - 2; & x > -2 \end{cases}$



Printable Task Cards

G1 	G2 	G9 	G10 
G3 	G4 	G11 	G12 
G5 	G6 	F1 $f(x) = \begin{cases} x^2 - 5; & x < 2 \\ x - 4 ; & x \geq 2 \end{cases}$	E2 $f(x) = \begin{cases} 2x + 2; & x \leq 1 \\ (x - 2)^2; & x > 1 \end{cases}$
G7 	G8 	E3 $f(x) = \begin{cases} - x + 2; & x \leq 2 \\ -x; & x > 2 \end{cases}$	E4 $f(x) = \begin{cases} x - 3; & x > -1 \\ -x + 1; & x \leq -1 \end{cases}$

Printable Task Cards

E5

$$f(x) = \begin{cases} x^2; & x \leq 1 \\ x - 3; & x > 1 \end{cases}$$

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E6

$$f(x) = \begin{cases} -x^2 + 5; & x \leq 1 \\ -|x - 3|; & x > 1 \end{cases}$$

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E7

$$f(x) = \begin{cases} x + 4; & x < -1 \\ -x; & x \geq -1 \end{cases}$$

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E8

$$f(x) = \begin{cases} -x - 3; & x \leq 1 \\ |x - 2|; & x > 1 \end{cases}$$

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E9

$$f(x) = \begin{cases} \frac{1}{2}x + 1; & x > -2 \\ -\frac{1}{2}x + 1; & x \leq -2 \end{cases}$$

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E10

$$f(x) = \begin{cases} \frac{1}{2}x + 1; & x \leq -2 \\ -\frac{1}{2}x - 1; & x > -2 \end{cases}$$

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E11

$$f(x) = \begin{cases} -2x - 1; & x \geq -2 \\ 2x + 3; & x < -2 \end{cases}$$

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E12

$$f(x) = \begin{cases} -\frac{1}{2}x + 3; & x \leq -2 \\ x^2 - 2; & x > -2 \end{cases}$$

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DR1

Domain: $(-\infty, \infty)$
Range: $[-5, \infty)$

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DR2

Domain: $(-\infty, \infty)$
Range: $(-4, \infty)$

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DR3

Domain: $(-\infty, \infty)$
Range: $(-\infty, 5]$

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DR4

Domain: $(-\infty, \infty)$
Range: $[-2, \infty)$

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DR5

Domain: $(-\infty, \infty)$
Range: $(-\infty, 0]$

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DR6

Domain: $(-\infty, \infty)$
Range: $[-4, \infty)$

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DR7

Domain: $(-\infty, \infty)$
Range: $(-\infty, 2]$

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DR8

Domain: $(-\infty, \infty)$
Range: $(-2, \infty)$

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