





An e	quation is given.
5	$y = 7x^3 - 7x^2$; [-2, 2] by [-1, 1] $7x^3 - 7x^2 = 7x^3(x-1) = 0 \implies x \in \{0, 1\}$
(a)	Use a graphing device to graph the equation in the given viewing rectangle. Find the x - and y -intercepts from the graph and confirm your answers algebraically (from the equation). (If an answer does not exist, enter DNE.)
	x-intercept (smaller x-value) $(x, y) = \left(\begin{array}{c} 0, 0 \end{array} \right)$
	x-intercept (larger x-value) $(x, y) = \left(\begin{array}{c} \mathbf{I}, 0 \end{array} \right)$
	y-intercept $(x, y) = \left(\begin{array}{c} 0 \\ 0 \end{array} \right)$
(b)	If the graph appears to be symmetric, confirm that the equation satisfies the corresponding symmetry property. (Select all that apply.) The graph is symmetric with respect to the <i>x</i> -axis. The graph is symmetric with respect to the <i>y</i> -axis. The graph is symmetric with respect to the origin. The graph is symmetric with respect to the origin. The graph is symmetric with respect to the origin.
	\Box The graph is not symmetric with respect to the x-axis, y-axis, or the origin. $= -(1+x^2+x)=-y$
	Check for symmetry symmetric ting origin
	$y = 7 x^{3} - 7 x^{2}$ 000
	Swap x for "-x"
	$4(-x)^{3} - 7(-x)^{2} = -7x^{3} - 7x^{2} + y = 0$
	No symmetry = 7x - 7x
	=9
	y-axis
	EVEN
6	An equation is given.
0	$y = x^4 - 2x^3; [-2, 3] \text{ by } [-3, 3]$
	(a) Use a graphing device to graph the equation in the given viewing rectangle. Find the x- and y-intercepts from the graph and confirm your answers algebraically (from the equation). (If an answer does not exist, enter DNE.)
	x-intercept (smaller x-value) $(x, y) = \left(\begin{array}{c} 0, 0 \\ \checkmark \end{array} \right)$
	x-intercept (larger x-value) $(x, y) = \left(\begin{array}{c} 2, 0 \\ \checkmark \end{array} \right)$
	y-intercept $(x, y) = \left(\begin{array}{c} 0, 0 \\ \checkmark \end{array} \right)$
	(b) If the graph appears to be symmetric, confirm that the equation satisfies the corresponding symmetry property. (Select all that apply.)
	\Box The graph is symmetric with respect to the <i>x</i> -axis.
	\Box The graph is symmetric with respect to the <i>y</i> -axis.
	\Box The graph is symmetric with respect to the origin.
	\checkmark The graph is not symmetric with respect to the x-axis, y-axis, or the origin.
	✓
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13 Solve the equation both algebraically and graphically. (Round graphical solution(s) to two decimal places. Enter your answers as comma-separated lists. If there is no real solution, enter NO REAL SOLUTION.)	
$x^2 + 5 = 4x$	
algebraically x =	
graphically x =	
Solve the equation graphically in the given interval. State each answer rounded to two decimals. (Enter your answers as a 14 comma-separated list.)	
$x^2 - 0.5x + 0.04 = 0; [-2, 2]$	
x =	



15 olve the equation graphically in the given interval. State each answer rounded to two decimals. (Enter your answers as a comma-separated list.)



Use the graphical method to solve the equation. (Enter your answers as a comma-separated list. Round your answers to **19** two decimal places. If there is no real solution, enter NO REAL SOLUTION.)

