

Even and Odd Functions Sorting Activity

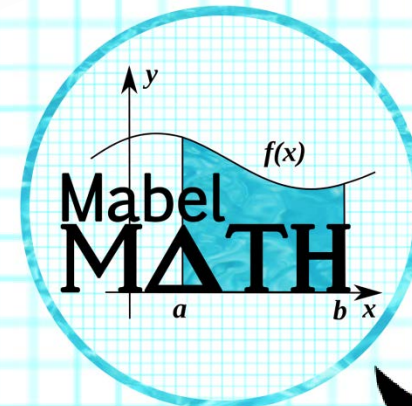
Even and Odd Functions Sorting Activity NAME _____
Cut out each card and glue each card in the appropriate column in the table provided.

Even Function	Odd Function	Neither

Cut out each card below:

$f(x) = x^3 - x$	$f(x) = x^5 - 3x^2$	$f(x) = \sin(x)$	$f(x) = \frac{x^2 - 2x}{3x^4}$
$f(x) = 7x^2 + 5$	$f(x) = 5x + 3$	$f(x) = \cos(x)$	$f(x) = 6x^4 - 3x^3 - x^2 - 4x + 7$
$f(x) = x^3 - 2$	$f(x) = -7x$	$f(x) = \tan(x)$	$f(x) = 2x^4 - 3x^2 - 6$
$f(x) = x^4 - 4x^2$	$f(x) = -2x^2$	$f(x) = \frac{x^2 + 3}{x^3 - x}$	

Students algebraically and/or graphically classify 15 functions as odd, even, or neither



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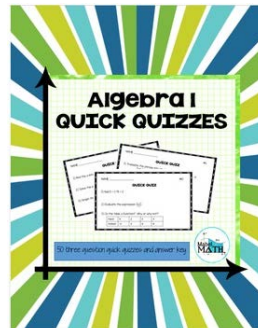
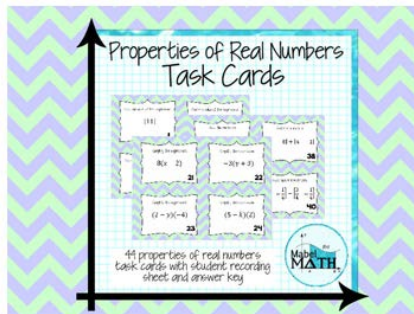
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NAME _____

Cut out each card and glue each card in the appropriate column in the table provided.

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Cut out each card below.

$f(x) = x^3 - x$	$f(x) = x^5 - 3x^2$	$f(x) = \sin(x)$	$f(x) = \frac{x^2 - 2x}{3x^4}$
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$f(x) = x^3 - 2$	$f(x) = -7x$	$f(x) = \tan(x)$	$f(x) = 2x^4 - 3x^2 - 6$
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Even and Odd Functions Sorting Activity

NAME _____ANSWER KEY_____

Even Function	Odd Function	Neither
$f(x) = 7x^2 + 5$	$f(x) = x^3 - x$	$f(x) = x^3 - 2$
$f(x) = x^4 - 4x^2$	$f(x) = -7x$	$f(x) = x^5 - 3x^2$
$f(x) = -2x^2$	$f(x) = \sin(x)$	$f(x) = 5x + 3$
$f(x) = \cos(x)$	$f(x) = \tan(x)$	$f(x) = \frac{x^2 - 2x}{3x^4}$
$f(x) = 2x^4 - 3x^2 - 6$	$f(x) = \frac{x^2 + 3}{x^3 - x}$	$f(x) = 6x^4 - 3x^3 - x^2 - 4x + 7$