Name: _____ Solving Quadratics by Factoring

What Do Baby Parabolas Drink?

Directions: Factor each of the following quadratic equations to solve for x. Then use each answer to match the problem number with a letter. Use that problem number and letter to then solve the math joke!

M. $x^2 - 2x - 8 = 0$

T. $x^2 - 13x + 40 = 0$

L. $2x^2 + 18x + 28 = 0$

D. $2x^2 + 9x - 5 = 0$

O. $3x^2 - 14x + 8 = 0$

A. $4x^2 + 4x = 3$

C. $15x^2 + 13x + 2 = 0$

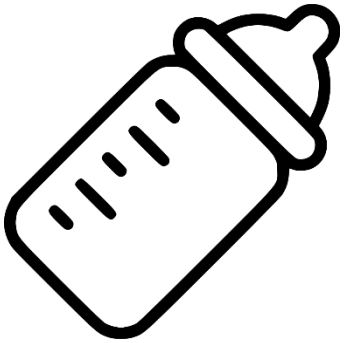
U. $4x^2 - 16 = 0$

I. $6x^2 = 21x - 9$

F. $15x^2 + 21x - 18 = 0$

R. $7x^2 + 3x = 0$

Q. $4x^2 - 8x - 3 = -3$



What Do Baby Parabolas Drink?

x = 0, x = 2	x = 2, x = -2	x = ½, x = -3/2	x = ½, x= -5	x =0, x = -3/7	x = ½, x = -3/2	x = 8, x = 5	x = ½, x = 3	x = -2/3, x = -1/5

x = 3/5, x = -2	x = 2/3, x = 4	x =0, x = -3/7	x = 4, x = -2	x = 2, x = -2	x = -2, x= -7	x = ½, x = -3/2

Name: _____

Solving Quadratics by Factoring

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$x = -2, x = -7$

D. $2x^2 + 9x - 5 = 0$

$x = \frac{1}{2}, x = -5$

O. $3x^2 - 14x + 8 = 0$

$x = 2/3, x = 4$

A. $4x^2 + 4x = 3$

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C. $15x^2 + 13x + 2 = 0$

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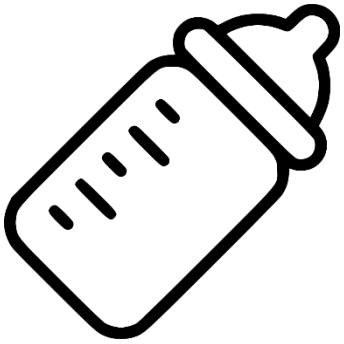
Q. $4x^2 - 8x - 3 = -3$

$x = 0, x = 2$



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Q	U	A	D	R	A	T	I	C
$x = 0, x = 2$	$x = 2, x = -2$	$x = ½, x = -3/2$	$x = ½, x = -5$	$x = 0, x = -3/7$	$x = ½, x = -3/2$	$x = 8, x = 5$	$x = ½, x = 3$	$x = -2/3, x = -1/5$

F	O	R	M	U	L	A
$x = 3/5, x = -2$	$x = 2/3, x = 4$	$x = 0, x = -3/7$	$x = 4, x = -2$	$x = 2, x = -2$	$x = -2, x = -7$	$x = ½, x = -3/2$