

Algebra 2 ~ 3.1 PUZZLE (tpt) Factoring Quadratic Equations

Goals: Factor and solve quadratic equations

Factoring Quadratics Word Search #7

Answer the questions below, match your answers to the corresponding words and find them in the word search. **Don't try to be sneaky** – some words are deliberately hidden in the word search but don't need to be found.

K	E	L	J	B	I	C	Y	C	L	E	L	K	Z	T	C	L	F	R	J
A	E	Z	O	I	T	O	P	S	H	O	P	O	U	G	U	P	B	E	I
W	Y	R	Z	C	V	Q	I	A	W	H	B	Y	N	N	H	T	U	V	R
U	I	K	R	B	K	D	I	Z	X	M	X	S	G	D	P	V	S	S	W
U	I	P	O	H	U	E	A	G	S	B	L	S	T	F	O	A	R	H	C
I	P	I	J	O	B	F	R	H	S	E	W	Z	A	S	T	N	R	J	A
Q	A	N	S	L	T	Z	R	T	W	N	F	R	M	E	G	M	A	E	C
V	D	T	J	L	R	Y	T	R	E	X	Q	Y	L	W	J	S	T	M	T
V	T	E	N	Y	O	K	Z	O	U	W	D	L	Q	N	X	S	I	A	U
Z	Q	R	W	W	B	S	A	N	E	H	I	A	N	H	X	O	U	I	S
Z	F	E	T	O	O	I	U	N	U	T	E	P	P	X	P	B	G	L	G
B	O	S	S	O	T	U	D	A	E	Y	F	I	T	O	P	S	I	R	I
J	Q	T	C	D	Q	Y	E	B	E	A	C	H	G	G	G	D	H	V	Z
C	D	I	P	B	S	V	A	V	O	C	A	D	O	K	U	I	T	Z	K
T	D	R	A	Z	Z	I	L	B	E	U	T	N	R	E	M	A	E	Y	N

Factor

- Q1)** $x^2 + 8x + 15$ **Q2)** $2x^2 + 5x + 3$ **Q3)** $x^2 - 3x - 10$ **Q4)** $x^2 - 5x + 6$
Q5) $3x^2 - 7x + 2$ **Q6)** $4x^2 + 8x - 5$ **Q7)** $x^2 + 9x + 14$ **Q8)** $5x^2 - 29x - 6$
Q9) $x^2 - 64$ **Q10)** $4x^2 + 12x + 9$ **Q11)** $2x^2 + 13x + 20$ **Q12)** $x^2 + 2x + 1$
Q13) $4x^2 - x - 5$ **Q14)** $x^2 - 5x + 4$ **Q15)** $9x^2 - 49$ **Q16)** $x^2 + x - 42$

- $(4x - 5)(x + 1) = \text{Beach}$ $(3x - 2)(x - 1) = \text{Robot}$ $(x - 1)(x - 4) = \text{Avocado}$
 $(x + 1)(x + 3) = \text{Spirit}$ $(x + 2)(x + 7) = \text{Locker}$ $(2x + 3)(x + 1) = \text{London}$
 $(2x - 1)(2x + 5) = \text{Cactus}$ $(5x - 6)(x + 1) = \text{Elephant}$ $(x - 6)(x + 7) = \text{Ipad}$
 $(x + 3)(x + 5) = \text{Topshop}$ $(x + 8)(x - 8) = \text{Wendys}$ $(3x - 1)(x - 2) = \text{Bicycle}$
 $(4x + 1)(x - 5) = \text{Lungs}$ $(3x + 7)(3x - 7) = \text{Guitar}$ $(x + 2)(x + 3) = \text{Blizzard}$
 $(x + 2)^2 = \text{Surfing}$ $(x - 5)(x + 2) = \text{Satellite}$ $(2x - 5)(2x + 1) = \text{Spotify}$
 $(x - 2)(x - 3) = \text{Pinterest}$ $(2x + 3)^2 = \text{North}$ $(5x + 1)(x - 6) = \text{Hollywood}$
 $(2x + 5)(x + 4) = \text{Boss}$ $(x + 4)(x - 4) = \text{Fireman}$ $(x + 1)^2 = \text{Email}$