



## Puzzle Time

### Why Did The Weatherman Say About His Meteorology Test?

A	B	C	D	E	F
G	H	I	J		

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

$x = -14, 0, 2$ IT
$x = -1, 2$ A
$x = -1, 0, 5$ FOGGY
$x = -2, 0, 2$ BREEZE
$x = -4, 0, 4$ WITH

**Solve the equation.**

- A.  $2x^3 + 24x^2 = 56x$   
 B.  $2x^5 - 6x^4 = 56x^3$   
 C.  $x^3 - x = 0$   
 D.  $34x^3 - 48x = 22x^3$   
 E.  $4x^4 - 64x^2 = 0$   
 F.  $2x^3 - 4x^2 - 96x = -8x^2$

**Find all the real zeros of the function.**

- G.  $f(x) = x^4 - x^3 + x^2 - 3x - 6$   
 H.  $f(x) = 3x^3 - 5x^2 - 47x - 15$   
 I.  $f(x) = x^3 - 4x^2 - 5x$   
 J.  $f(x) = x^3 - 3x^2 - 4x + 12$

$x = -3, -\frac{1}{3}, 5$ FEW
$x = -4, 0, 7$ WAS
$x = -2, 2, 3$ PATCHES
$x = -8, 0, 6$ ONLY
$x = -1, 0, 1$ A