

## Solution to Last Month's Quiz

### LAWST IN TRANSLATION?

The “proper” interpretation of the listed words was to recognize them as homonyms of the last names of members of Congress, both Representatives and Senators. The actual names of the lawmakers are listed below, along with their affiliations (House or Senate, Democrat or Republican party)

1. STEAL – Michelle Steel (H, R)
2. HAZE - Jahana Hayes (H, D)
3. DONE - Neal Dunn (H, R)
4. POSY - Bill Posey (H, R)
5. CASTER – Kathy Castor (H, D)
6. MASSED – Brian Mast (H, R)
7. BARED - Jim Baird (H, R)
8. PALL - Rand Paul (S, R)
9. MANSION – Joe Manchin (S, D)
10. CINEMA - Kyrsten Sinema (S, D)
11. HOLLY - Josh Hawley (S, R)
12. DEIGNS – Steve Daines (S, R)
13. FISHER - Deb Fischer (S, R)
14. WIDEN - Ron Wyden (S, D)
15. READ - Jack Reed (S, D)
16. CRUISE – Ted Cruz (S, R)
17. CANE - Tim Kaine (S, D)
18. BIGS - Andy Biggs (H, R)
19. SPEAR – Jackie Speier (H, D)
20. CHEW - Judy Chu (H, D)

TARGET DATE FOR Next Month's Contributions

**January 18, 2022**

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### This Month's Quiz

#### A FORMULAIC QUIZ

If you have “math anxiety” – as many of us do (even some of us with Math majors!) – this might

be the quiz that helps you get over it! (Probably NOT). See if you can match each title and meaning to the appropriate equation. (Equations and descriptions ‘lifted’ from “Business Insider”)

1. **The Pythagorean theorem** (The square of the hypotenuse of a triangle is equal to the sum of the squares of its legs)
2. **The fundamental theorem of calculus** (Allows the calculation of an instantaneous rate of change)
3. **Newton's universal law of gravitation** (Calculates the force of gravity between two objects)
4. **The origin of complex numbers** (The square of an imaginary number is negative)
5. **Euler's theorem for polyhedra** (Describes a space's shape or structure regardless of alignment)
6. **The normal distribution** (Defines the standard normal distribution, a bell shaped curve in which the probability of observing a point is greatest near the average and declines rapidly as one moves away)
7. **The wave equation** (A differential equation that describes the behavior of waves, originally the behavior of a vibrating violin string)
8. **The Fourier transform** (Describes patterns in time as a function of frequency)
9. **Second law of thermodynamics** (Energy and heat dissipate over time)
10. **Einstein's theory of relativity** (Energy equals mass times the speed of light squared)

A.  $\hat{f}(\xi) = \int_{-\infty}^{\infty} f(x) e^{-2\pi i x \xi} dx$

B.  $i^2 = -1$

C.  $a^2 + b^2 = c^2$