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DISCRETE

TROICI/GOSSE

UNIT 14: ALGEBRA REVIEW- JEOPARDY!

	ONE STEP EQUATIONS	TWO STEP EQUATIONS	MULTISTEP EQUATIONS	MIXED REVIEW
\$100	$x - 6 = -5$ $+6 \quad +6$ $\boxed{x = 1}$	$9x - 7 = -7$ $+7 \quad +7$ $\frac{9x = 0}{9}$ $\boxed{x = 0}$	$4x + 7x - 9 = 90$ $11x - 9 = 90$ $+9 \quad +9$ $11x = 99$ $\boxed{x = 9}$	$1 - 21x$ coefficient? $\boxed{-4}$
\$200	$m + 4 = -12$ $-4 \quad -4$ $\boxed{m = -16}$	$-6n + 4 = 34$ $-4 \quad -4$ $-6n = 30$ $\boxed{n = -5}$	$18 = -6x + 8x + 12$ $18 = 2x + 12$ $-12 \quad -12$ $6 = 2x$ $\boxed{x = 3}$	Property: $a(b-c) = ab - ac$ $\boxed{\text{Distributive Property}}$
\$300	$-104 = 8x$ $\frac{-104}{8} = \frac{8x}{8}$ $\boxed{x = -13}$	$15 = -15 - 8x$ $+15 \quad +15$ $30 = -8x$ $\frac{30}{-8} = \frac{-8x}{-8}$ $\boxed{x = -3.75}$	$5(x-3) - 30 = 10$ $+30 \quad +30$ $5x - 15 = 40$ $+15 \quad +15$ $5x = 55$ $\boxed{x = 11}$	$(-5+3) + 8^2 = 16$ $-2 + 64 = 16$ $-2 + 4$ $\boxed{2}$
\$400	$11.16 = \frac{k}{11} \cdot 11$ $\boxed{k = 176}$	DIVISION Property of equality	$\frac{x+8}{4} = \frac{6}{1}$ $-24 = x + 8$ $-8 \quad -8$ $\boxed{x = 16}$	$3x^2 + 6x - 1$ $+ (-6x^2 - 4x + 2)$ $\boxed{-3x^2 + 2x + 1}$
\$500	$\frac{1}{2} + = \frac{14}{1}$ $\frac{1}{2} \quad 2$ $\boxed{+ = 28}$	$\frac{2}{3}m + 7 = 5$ $-7 \quad -7$ $\frac{2}{3} \cdot \frac{3}{2}m = -2 \cdot \frac{3}{2}$ $m = -3$	$\frac{8}{3x} = \frac{4}{4x-5}$ $12x = 8(4x-5)$ $12x = 32x - 40$ $-32x \quad -32x$ $-20x = -40$ $\frac{-20x}{-20} = \frac{-40}{-20}$ $\boxed{x = 2}$	$(3x+1)(2x-5)$ $6x^2 - 15x + 2x - 5$ $\boxed{6x^2 - 13x - 5}$

