ALGEBRA WITH PIZZAZZ!
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What Were the Headlines After a 3 Foot 10 Inch Fortuneteller Escaped From Jail?

Solve each equation and find your solution below. Cross out the box containing that solution. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

1. $3(2x + 5) = 39$ $x = 4$
2. $2(6k - 1) = -38$ $k = -3$
3. $8(7 - y) = -24$ $y = 10$
4. $-4(8 + 5n) = 8$ $n = -2$
5. $6(3x - 5) - 7x = 25$ $x = 5$
6. $-2(5 + 6m) + 16 = -90$ $m = 8$
7. $15(t + 2) + 9t = 6$ $t = -1$
8. $7w - 3(4w + 8) = 11$ $w = -7$
9. $22 - 5(6v - 1) = -63$ $v = 3$
10. $18x - (8x - 7) = 67$ $x = 6$
11. $8(-2x - 4) + 12 = -52$ $n = 2$
12. $2(9n - 1) + 7(n + 6) = -60$ $n = -4$
13. $-3(3x + 15) - (10 + x) = 35$ $x = -9$
14. $11(4 - 6y) + 5(13y + 1) = 9$ $y = 40$

MID 5	THE −9	GET −1	SMA 12	SHA 2	RTF 40	AWA −3	LLM 35	AKE −7	EDI 15
TOR −2	UMA −14	PRI 6	UNJ 4	TLA −20	SON 3	AIL 10	CHA −4	RGE −12	TLE 8

Small Medium At Large

① $3(2x+5) = 39$

$6x + 15 = 39$

$-15 \quad -15$

$\frac{6x}{6} = \frac{24}{6}$

$x = 4$

② $2(6k-1) = -38$

$\frac{2}{2} \quad \frac{2}{2}$

$6k - 1 = -19$

$+1 \quad +1$

$\frac{6k}{6} = \frac{-18}{6}$

$k = -3$

③ $\frac{8(7-y)}{8} = \frac{-24}{8}$

$7 - y = -3$

$-7 \quad -7$

$\frac{-y}{-1} = \frac{-10}{-1}$

$y = +10$

④ $\frac{4(8+5n)}{4} = \frac{-8}{4}$

$8 + 5n = -2$

$-8 \quad -8$

$\frac{5n}{5} = \frac{-10}{5}$

$n = -2$

3' 10" Fortune teller

(5) $6(3x-5)-7x=25$

$18x-30-7x=25$

$11x-30=25$

$+30 \quad +30$

$\frac{11x}{11} = \frac{55}{11}$

$x = 5$

(6) $-2(5+6m)+16=-90$

$-10-12m+16=-90$

$-12m+6=-90$

$-6 \quad -6$

$\frac{-12m}{-12} = \frac{-96}{-12}$

$m = 8$

(7) $15(t+2) + 9t = 6$

$15t + 30 + 9t = 6$

$24t + 30 = 6$

$-30 \quad -30$

$\frac{24t}{24} = \frac{-24}{24}$

$t = -1$

(8) $7w - 3(4w + 8) = 11$

$7w - 12w - 24 = 11$

$-5w - 24 = 11$

$+24 \quad +24$

$\frac{-5w}{-5} = \frac{35}{-5}$

$w = -7$

(9) $22 - 5(6v - 1) = -63$

$22 - 30v + 5 = -63$

$22 + 5 - 30v = -63$

$27 - 30v = -63$

$-27 \quad -27$

$-30v = -90$

$\frac{-30v}{-30} = \frac{-90}{-30}$

$\boxed{v = 3}$

(10) $18x - (8x - 7) = 67$

$18x - 8x + 7 = 67$

$10x + 7 = 67$

$-7 \quad -7$

$10x = 60$

$\frac{10x}{10} = \frac{60}{10}$

$\boxed{x = 6}$

(11) $8(-2x-4)+12=-52$

$-16x-32+12=-52$

$-16x-20=-52$

$+20 \quad +20$

$\frac{-16x}{-16} = \frac{-32}{-16}$

$x=2$

(12) $2(9n-1)+7(n+6)=-60$

$18n-2+7n+42=-60$

$25n+40=-60$

$-40 \quad -40$

$\frac{25n}{25} = \frac{-100}{25}$

$n=-4$

(13) $-3(3x+15)-(10+x)=35$

$-9x-45-10-x=35$

$-10x-55=35$

$+55 \quad +55$

$\frac{-10x}{-10} = \frac{90}{-10}$

$x=-9$

(14) $11(4-6y)+7(13y+1)=9$

$44-66y+65y+7=9$

$-y+49=9$

$-49 \quad -49$

$\frac{-y}{-1} = \frac{-40}{-1}$

$y=40$