

Alg Pract Problems Quiz 1-1, 1-2, 2-1

pg 14 # 1, 2, 4, 8, 10

pg 31 # 1, 4, 5, 9

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- 1st column counts by 1's starting at 1
- 2nd column counts by 3's starting at 3
- 3rd column counts by 9, 19, 21 starting at 3
- 4th column counts by 0 starting at 3

2) 3, 6, 9, 12 $cd=3$

4) $n = \#$ of figure or $\#$ used ~~at~~ from the 1st column to get the $\#$ in the second column

$3n$, others $6 + 3(n-1)$, $9 + 3(n-2)$, etc

	Fig	per
1	1	5
2	2	8
3	3	11 11
4	4	14
5	5	17
6	6	20
7	7	23
8	8	26
9	9	29
10	10	32

10) n : figure #

expression: $3(n-1) + 5$
 OR $3n + 2$
 OR $3(n-2) + 8$
 etc

$3(50) + 2$ $3(50-1) + 5$
 152 152 etc

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① Add. Prop. of Equal

A) shows solution

~~B) +2 equally to +2~~

C) Combine like terms

D) Distributive Prop

④ $4x - 5 + 2x = -2$ Original Equation
 $4x + 2x - 5 = -2$ Comm Prop
 $6x - 5 = -2$ C.L.T.
 $\quad +5 \quad +5$ APE
 $6x = 3$ CLT
 $\frac{6}{6} \quad \frac{3}{6}$ DPE
 $x = \frac{1}{2}$ Simplify

⑤ $\frac{x-8}{3} = 3$ O.E.
 $3 \cdot \left(\frac{x-8}{3}\right) = (3) \cdot 3$ MPE
 $x-8 = 9$ Simp.
 $\quad +8 \quad +8$ APE
 $x = 17$ CLT

⑨ X: # of students who are members of the frequent visitor program
 19 total students
 expression: $19 - x$
 # of students that are not members