Algebra I
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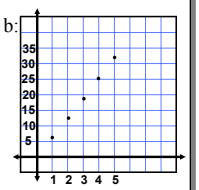
4) {-7}
6) {6}
8) {-8}
10) {12}
12) {13}
14) {-2}
15) C
16) A
18) {-13}
20) {-12}
22) {-11}
24) {28}
26) {49}
28) {-42}
29) subtract 3.8 on the right side.
30) multiply the 27 by 3.
32) -4.2
34) -8.3
36) -6
38) -11.5
40) 42
42) -35
44) 35
46) 1/6
48) -2
50) 9 cm
55) 11 ft.
56) 245 lbs.

57) a: $\frac{4}{7}x = 200$
b: Plants

59) a:

t	D
1	6.5
2	13
3	19.5
4	26
5	32.5

b:



c: $26 = 6.5t$; 4 sec

60) a: $18ft^2$
b: 6 ft
65) A
66) D

18) $\frac{-4q}{-4} = \frac{52}{-4}$

$q = -13$

$\{-13\}$

28) $-3 = \frac{d}{14}$ (×14)

$-52 = d$

$\{-42\}$

32) $-3.2 + z = -7.4$

$-3.2 + 3.2 + z = -7.4 + 3.2$

$z = -4.2$

34) $-6.1 = p + 2.2$

$-6.1 - 2.2 = p + 2.2 - 2.2$

$-8.3 = p$

44) $-21 = -\frac{3}{5}t$ (×−5)

$\frac{105}{3} = \frac{3t}{3}$

$35 = t$

$\{35\}$

46) $\frac{8}{5}x = \frac{4}{15}$ (×15)

$\frac{8x}{8} = \frac{4}{3} \cdot \frac{1}{8}2$

$x = \frac{1}{6}$

$\{\frac{1}{6}\}$

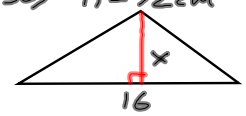
46) $\frac{8}{5}x = \frac{4}{15}$ (×15)

$\frac{24x}{24} = \frac{4}{24}$

$x = \frac{1}{6}$

$\{\frac{1}{6}\}$

50) $A = 72cm^2$



$A = \frac{1}{2}bh$

$72 = \frac{1}{2}(16)x$

$\frac{72}{8} = \frac{8x}{8}$

$9 = x$

$\{9\}$

9cm

48) $-\frac{4}{3} = \frac{2}{3}z$ (×3)

$\frac{-4}{2} = \frac{2z}{2}$

$-2 = z$

$\{-2\}$

38) $\frac{n}{4.6} = -2.5$ (×4.6)

$n = 11.5$

$\{11.5\}$

$$\begin{array}{r} 3 \\ 4.6 \\ 2.5 \\ \hline 230 \\ 92 \\ \hline 11.50 \end{array}$$

57) $\frac{4}{7}x = 200$ (×7)

$\frac{4x}{4} = \frac{1400}{4}$

$x = 350 \rightarrow$ Birds

$600 \rightarrow$ Plants

56) Let x = weight of person

$x + 55 \leq 300$

$x + 55 - 55 \leq 300 - 55$

$x \leq 245$ lbs

65) $4(2x+4) - 6(x+1)$

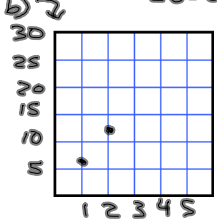
$8x + 16 - 6x - 6$

$2x + 10$

59)

t	d
1	6.5
2	13

c) $d = rt$

$26 = 6.5t$

b)