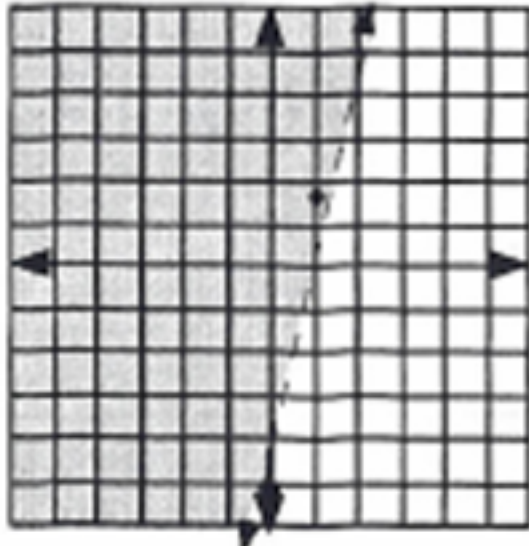
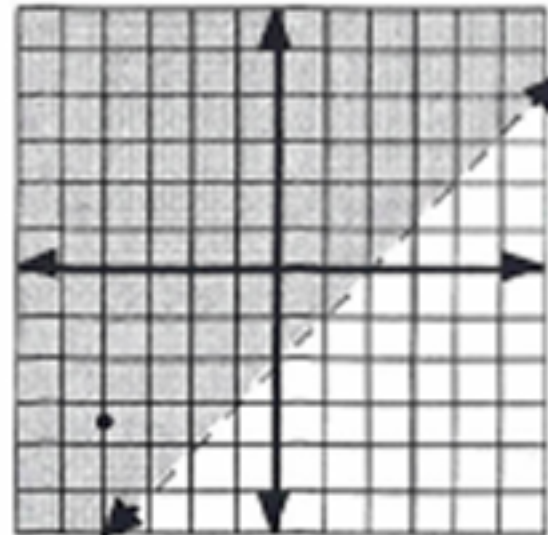


- 1) $N, N+2, N+4$
- 2) $3(N+4) = 2(N+N+2) + 2$
- 3) $3N + 12 = 2(2N+2) + 2$
 $3N + 12 = 4N + 4 + 2$
 $12 - 6 = 4N - 3N, N = 6$
 $6, 8, 10$
- 4) $3(10) = 2(6+8) + 2$
 $30 = 30 \checkmark$
- 5) $N, N+1, N+2$
- 6) $N + (N+2) = 20(N+1)$
- 7) $2N + 2 = 20N + 20$
 $-18 = 18N, N = -1$
 $-1, 0, 1$
- 8) $(-1) + (1) = 20(0)$
 $0 = 0 \checkmark$
- 9) $N, N+1, N+2$
- 10) $5(N) + 2(N+1) = 6(N+2)$
- 11) $5N + 2N + 2 = 6N + 12$
 $7N + 2 = 6N + 12, N = 10$
 $10, 11, 12$
- 12) $5(10) + 2(11) = 6(12)$
 $72 = 72 \checkmark$
- 13) $N, N+2, N+4$
- 14) $N + (N+4) = 3(N+2) + 19$
- 15) $2N + 4 = 3N + 6 + 19$
 $4 - 25 = N, N = -21$
 $-21, -19, -17$
- 16) $(-21) + (-17) = 3(-19) + 19$
 $-38 = -38 \checkmark$

- 1) $N, N+2, N+4$
- 2) $5(N+4) - 4N = 4(N+2)$
- 3) $5N + 20 - 4N = 4N + 8$
 $N + 20 = 4N + 8$
 $12 = 3N, N = 4$
 $4, 6, 8$
- 4) $N, N+1, N+2$
- 5) $6(N+1) + 4N = 9(N+2) - 4$
- 6) $6N + 6 + 4N = 9N + 18 - 4$
 $10N + 6 = 9N + 14, N = 8$
 $8, 9, 10$
- 7) $.05N + .10D = .80, N + D = 11$
 $5N + 10D = 80$
 $-5N - 5D = -55$
 $5D = 25, D = 5$
 $N + (5) = 11, .05(6) + .10(5) = .80$
 $N = 6, .30 + .50 = .80 \checkmark$
- 8) $Y > 4X - 4$ 
- 9) see graph
- 10) yes
- 11) $4Y + X = 11$
 $-4Y + 6X = -18$
 $7X = -7, X = -1$
 $4Y + (-1) = 11$
 $4Y = 12, Y = 3$
- 12) $4Y + X = 11 \Rightarrow Y = -1/4 X + 11/4$
 $(1) = -1/4(0) + b, b = 11/4$
 $Y = -1/4 X + 11/4$ or $X + 4Y = 11$
- 13) 21
- 14) $4(N+2) = 23 + N$
- 15) $4N + 8 = 23 + N, 3N = 15$
 $N = 5$
- 16) $[2(5-3) + 1] \div 5 = (4+1) \div 5 = 1$
- 17) $1/2 + 2/3 = 3/6 + 4/6 = 7/6 = 1 \frac{1}{6}$
- 18) $.75 \times 250 = 187.5$
- 19) $180 - 16A = 1000, -820 = 16A$
 $A = -51.25$
- 20) $2 \times 2 \times 2 \times 2 \times 2 \times 3$

- 1) $N, N+2, N+4$
- 2) $4(N+4) + 1 = 3N + 2(N+2)$
- 3) $4N + 16 + 1 = 3N + 2N + 4$
 $17 - 4 = 5N - 4N, N = 13$
 $13, 15, 17$
- 4) $N, N+1, N+2$
- 5) $3N - 5(N+1) = -1$
- 6) $3N - 5N - 5 = -1$
 $-2N = 4, N = -2$
 $-2, -1, 0$
- 7) $.05N + .10D = 1.10, N + D = 15$
 $5N + 10D = 110$
 $-5N - 5D = -75$
 $5D = 35, D = 7$
 $N + (7) = 15, .05(8) + .10(7) = 1.10$
 $N = 8, .40 + .70 = 1.10 \checkmark$
- 8) $Y > X - 2$ 
- 9) see graph
- 10) yes
- 11) $5Y + 6X = -19$
 $-5Y - 3X = 22$
 $3X = 3, X = 1$
 $5Y + 6(1) = -19$
 $5Y = -25, Y = -5$
- 12) $5Y + 6X = -19 \Rightarrow Y = -6/5 X - 19/5$
 $(1) = 5/6(-4) + b, b = 13/3$
 $Y = 5/6 X + 13/3$ or $5X - 6Y = -26$
- 13) 24
- 14) $2N - 6 + 8N = 4$
- 15) $10N = 10, N = 1$
- 16) $3(1) - (1)^2 + 13 \cdot 4(1) = 3 - 1 + 13 \cdot 4 =$
 $2 + 9 = 11$
- 17) $1/6 + 3/4 = 2/12 + 9/12 = 11/12$
- 18) $.13 \times 180 = 23.4$
- 19) $2A = 36, A = 18$
- 20) $3 \times 3 \times 3 \times 5$