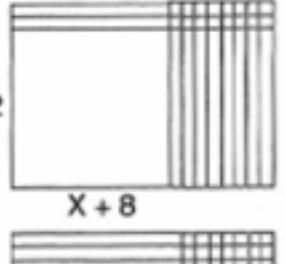
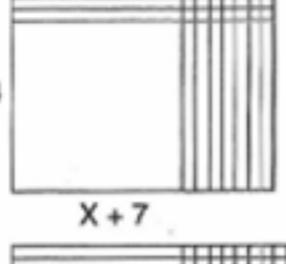


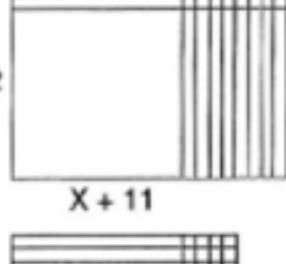
21B

1) 

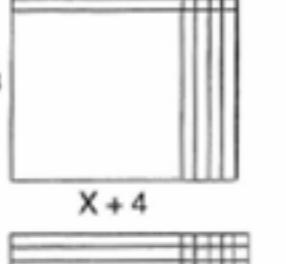
$$\begin{array}{r} x+8 \\ \times x+2 \\ \hline 2x+16 \\ X^2+8x \\ \hline X^2+10x+16 \end{array}$$

2) 

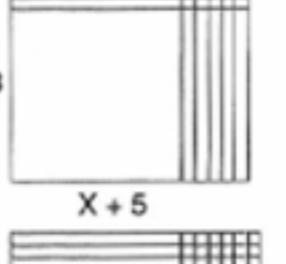
$$\begin{array}{r} x+7 \\ \times x+4 \\ \hline 4x+28 \\ X^2+7x \\ \hline X^2+11x+28 \end{array}$$

3) 

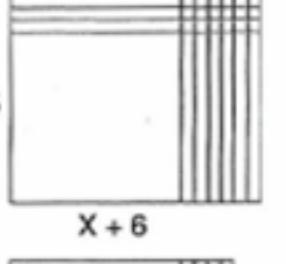
$$\begin{array}{r} x+11 \\ \times x+2 \\ \hline 2x+22 \\ X^2+11x \\ \hline X^2+13x+22 \end{array}$$

4) 

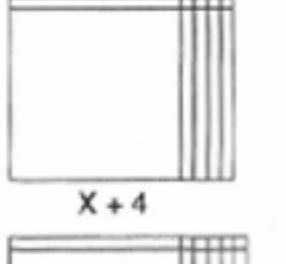
$$\begin{array}{r} x+4 \\ \times x+3 \\ \hline 3x+12 \\ X^2+4x \\ \hline X^2+7x+12 \end{array}$$

5) 

$$\begin{array}{r} x+5 \\ \times x+3 \\ \hline 3x+15 \\ X^2+5x \\ \hline X^2+8x+15 \end{array}$$

6) 

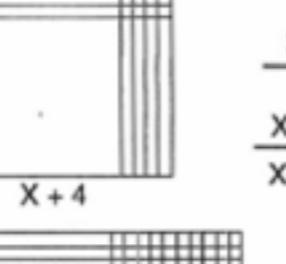
$$\begin{array}{r} x+6 \\ \times x+5 \\ \hline 5x+30 \\ X^2+6x \\ \hline X^2+11x+30 \end{array}$$

7) 

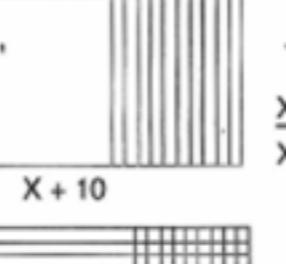
$$\begin{array}{r} x+4 \\ \times x+1 \\ \hline x+4 \\ X^2+4x \\ \hline X^2+5x+4 \end{array}$$

8) 

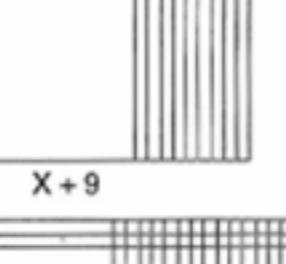
$$\begin{array}{r} x+5 \\ \times x+1 \\ \hline x+5 \\ X^2+5x \\ \hline X^2+6x+5 \end{array}$$

9) 

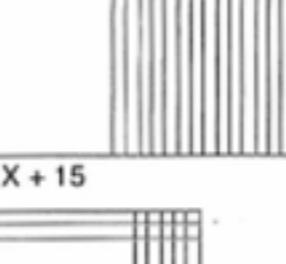
$$\begin{array}{r} x+4 \\ \times x+4 \\ \hline 4x+16 \\ X^2+4x \\ \hline X^2+8x+16 \end{array}$$

10) 

$$\begin{array}{r} x+10 \\ \times x+2 \\ \hline 2x+20 \\ X^2+10x \\ \hline X^2+12x+20 \end{array}$$

11) 

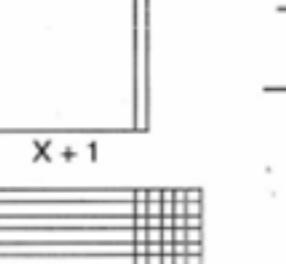
$$\begin{array}{r} x+9 \\ \times x+2 \\ \hline 2x+18 \\ X^2+9x \\ \hline X^2+11x+18 \end{array}$$

12) 

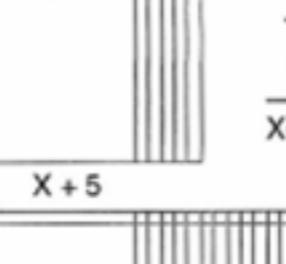
$$\begin{array}{r} x+15 \\ \times x+2 \\ \hline 2x+30 \\ X^2+15x \\ \hline X^2+17x+30 \end{array}$$

13) 

$$\begin{array}{r} x+5 \\ \times x+2 \\ \hline 2x+10 \\ X^2+5x \\ \hline X^2+7x+10 \end{array}$$

14) 

$$\begin{array}{r} x+1 \\ \times x+1 \\ \hline x+1 \\ X^2+x \\ \hline X^2+2x+1 \end{array}$$

15) 

$$\begin{array}{r} x+5 \\ \times x+5 \\ \hline 5x+25 \\ X^2+5x \\ \hline X^2+10x+25 \end{array}$$

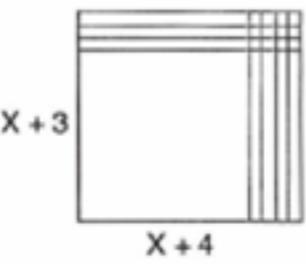
16) 

$$\begin{array}{r} x+25 \\ \times x+1 \\ \hline X+26 \\ X^2+25x \\ \hline X^2+26x+25 \end{array}$$

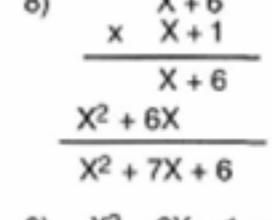
Check using same method as other examples.

21C

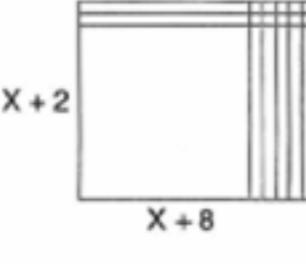
1)
$$X^2 + 7X + 12 = (X + 4)(X + 3)$$



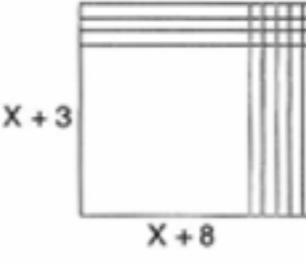
7)
$$X^2 + 7X + 6 = (X + 6)(X + 1)$$



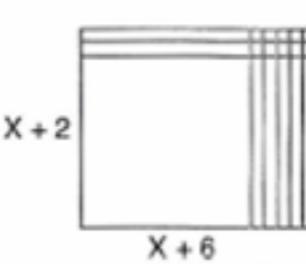
8)
$$X^2 + 10X + 16 = (X + 8)(X + 2)$$



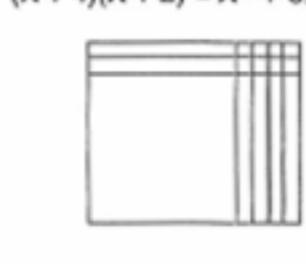
9)
$$X^2 + 2X + 1 = (X + 1)(X + 1)$$



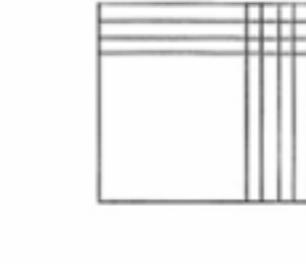
10)
$$X^2 + 1 + 1 = (X + 1)(X + 1)$$



11)
$$2X^2 - 7X - 3 = (X^2 + 5X + 9) / (3X^2 - 2X + 6)$$



12)
$$6X^2 + 2X + 1 = (X^2 - 4X + 3) / (7X^2 - 2X + 4)$$



13)
$$P-8P4 = P-4$$

14)
$$R(-2)(-3)S(3)(-3) = R^6S^9$$

15)
$$225$$

16)
$$\pm 4$$

17)
$$11N + 2(N + 2) = 6(N + 4) + 1$$

11N + 2N + 4 = 6N + 25

7N = 25 - 4

N = 3 3, 5, 7

18)
$$.10D + .05N = .60, \quad D + N = 9$$

10D + 5N = 60

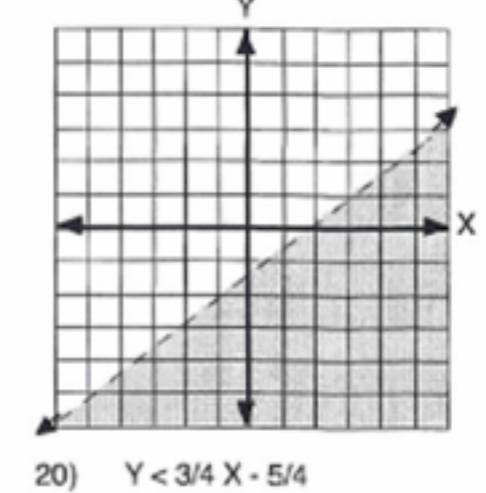
-5D - 5N = -45

5D = 15

D = 3 (3) + N = 9

N = 6

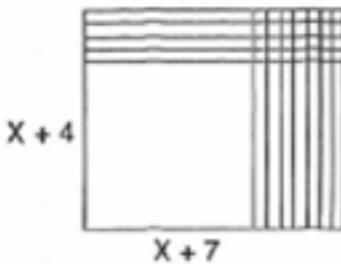
19)
$$7X - Y = -3$$



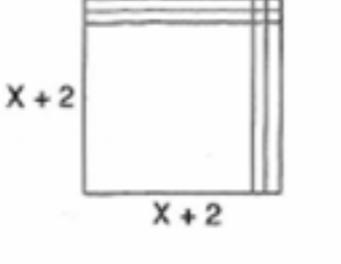
20)
$$Y < \frac{3}{4}X - \frac{5}{4}$$

21D

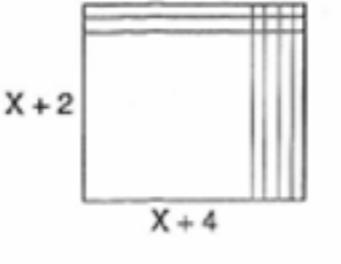
1)
$$X^2 + 11X = 28 = (X + 7)(X + 4)$$



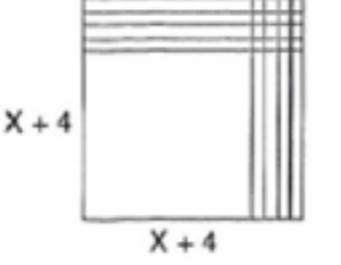
2)
$$X^2 + 4X = 4 = (X + 2)(X + 2)$$



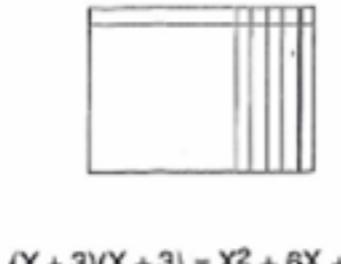
3)
$$X^2 + 6X + 8 = (X + 4)(X + 2)$$



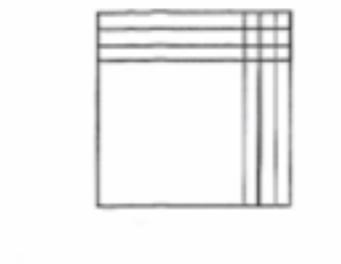
4)
$$X^2 + 8X + 16 = (X + 4)(X + 4)$$



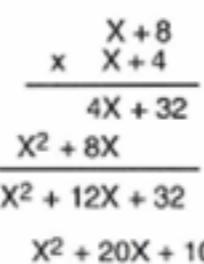
5)
$$(X + 5)(X + 1) = X^2 + 6X + 5$$



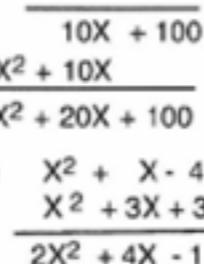
6)
$$(X + 3)(X + 3) = X^2 + 6X + 9$$



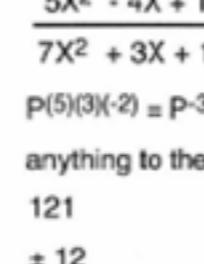
7)
$$X^2 + 12X + 32 = (X + 8)(X + 4)$$



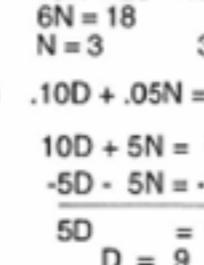
8)
$$X^2 + 20X + 100 = (X + 10)(X + 10)$$



11)
$$X^2 + X - 4 = (X^2 + 3X + 3) / (2X^2 + 4X - 1)$$



12)
$$2X^2 + 7X + 6 = (5X^2 - 4X + 10) / (7X^2 + 3X + 16)$$



13)
$$P(5)(3)(-2) = P-30$$

14) anything to the "0" power equals 1

15) 121

16)
$$\pm 12$$

17)
$$14(N + 2) + 4N = 12(N + 4) - 2$$

18N + 28 = 12N + 46

6N = 18

N = 3 3, 5, 7

18)
$$.10D + .05N = 1.80, \quad D + N = 27$$

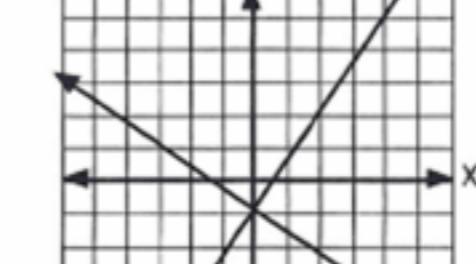
10D + 5N = 180

-5D - 5N = -135

5D = 45

D = 9 (9) + N = 27

N = 18



19) on the graph

20)
$$m = -2/3$$

$$(-3) = -2/3(3) + b$$

$$b = -1$$