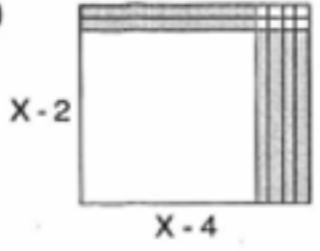
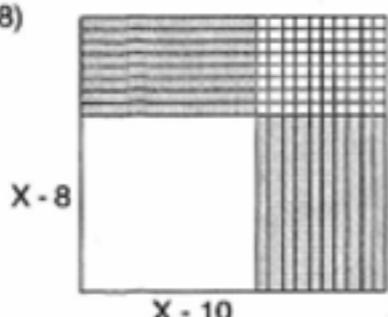


Continue to check by multiplying.

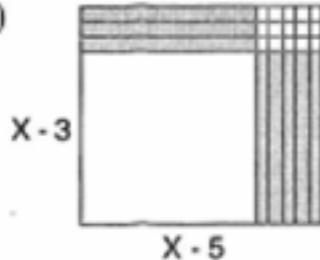
1) $(X - 4)(X - 2)$



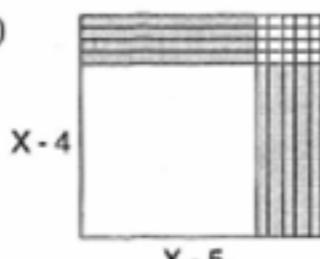
2) $(X - 10)(X - 8)$



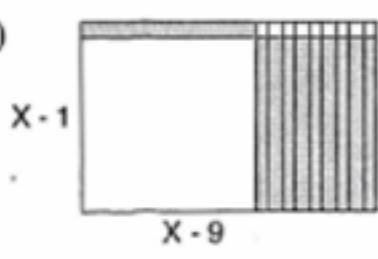
3) $(X - 5)(X - 3)$



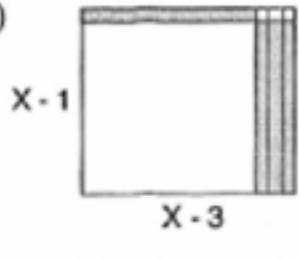
4) $(X - 5)(X - 4)$



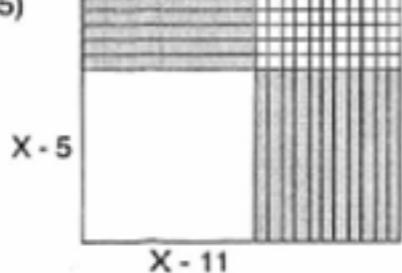
5) $(X - 9)(X - 1)$



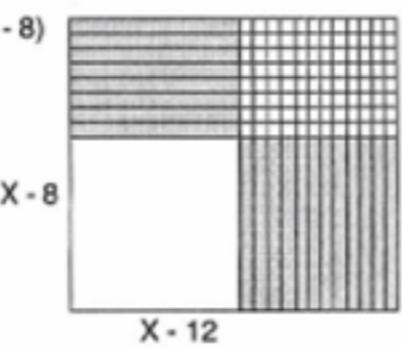
6) $(X - 1)(X - 3)$



7) $(X - 11)(X - 5)$



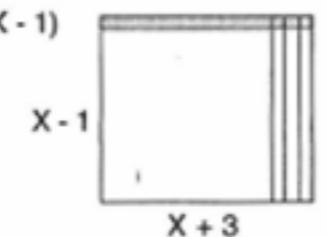
8) $(X - 12)(X - 8)$



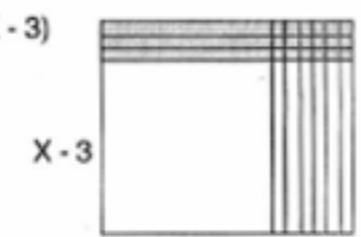
9) $(X - 7)(X - 6)$

10) $(X - 8)(X - 3)$

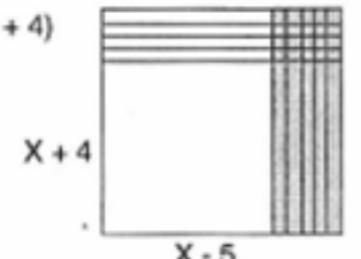
11) $(X + 3)(X - 1)$



12) $(X + 6)(X - 3)$



13) $(X - 5)(X + 4)$



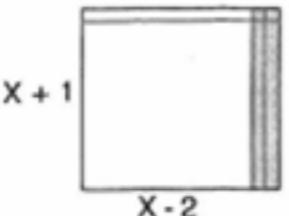
14) $(X + 5)(X - 3)$

15) $(5X - 1)(X + 2)$

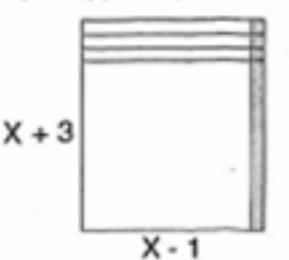
16) $(4X - 1)(X + 2)$

23D

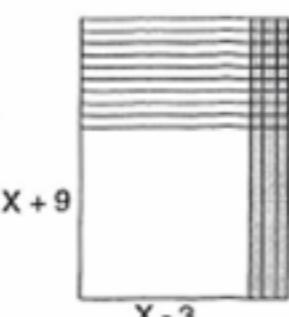
1) $(X - 2)(X + 1)$



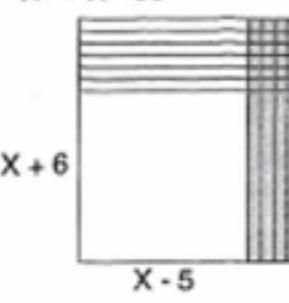
2) $(X - 1)(X + 3)$



3) $X^2 + 6X - 27$



4) $X^2 + X - 30$



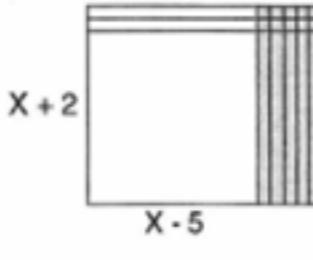
5) $(X - 4)(X + 1)$

6) $\frac{X}{X-4} \cdot \frac{X+4}{X+1}$

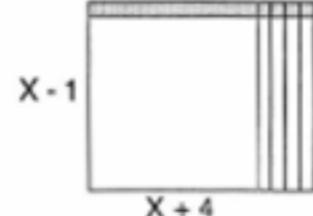
7) $(X - 3)(X + 1)$

8) $\frac{X}{X-3} \cdot \frac{X+3}{X+1}$

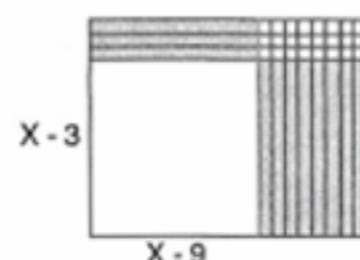
1) $(X - 5)(X + 2)$



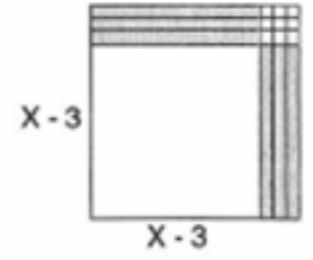
2) $(X + 4)(X - 1)$



3) $X^2 - 12X + 27$



4) $X^2 - 6X + 9$



5) $(X + 2)(X - 1)$

6) $\frac{X+2}{X-2} \cdot \frac{X+1}{X-1}$

7) $(X + 5)(X - 2)$

8) $\frac{X+5}{X-10} \cdot \frac{X+2}{X-2}$

9) $(X - 3)(X + 2)$

10) $\frac{X-3}{X+2} \cdot \frac{X+6}{X-6}$

11) $10^{2 \times 7} = 10^{14}$

12) $5^2 \times 4 \times 3 = 5^{24}$

13) $D^{-4+3-2-4+5} = D^{-2}$

14) $B^3 + 3B^3 + 5B^5 = 4B^3 + 5B^5$

15) $2(-4X + 5) = 4X - 3$
 $-8X + 10 = 4X - 3$
 $13 = 12X$
 $X = 13/12$
 $Y = -4(13/12) + 5$
 $Y = 2/3$
 $(13/12, 2/3)$

16) $4(N + 1) + 3(N + 2) - 8N + 11 = 0$
 $4N + 4 + 3N + 6 - 8N + 11 = 0$
 $N = 21$
 $21, 22, 23$

17) $.10D + .05N = 3.30, \quad D + N = 45$

18) $\frac{1}{2} \div \frac{1}{2} \times \frac{3}{4} =$
 $\frac{1}{\cancel{2}} \times \frac{\cancel{2}}{1} \times \frac{3}{4} = \frac{3}{4}$

19) $103X + 20X - 73X = 45$
 $50X = 45$
 $X = 9/10 \text{ or } .9$

20) $5.4\% = .054$
 $.054 \times 250 = 13.5$

9) $(2X + 1)(X + 3)$

10)
$$\begin{array}{r} 2X + 1 \\ \times X + 3 \\ \hline 6X^2 + X \end{array}$$

11) $3^{4-2-3} = 3 \cdot 1$

12) $7 \cdot 15$

13) $A^5B^2A^{-4}A^{-3}B^{-7} = A^2B^{-5}$

14) $2AB^2 + 4B^1A^1 + 3A^2B^2A^{-1}$

2AB^2 + 4B^0A^1 + 3A^1B^2

2AB^2 + 4A + 3AB^2

5AB^2 + 4A

15) $3(-4X) = 2X + 7$
 $-12X = 2X + 7$
 $X = -1/2$
 $Y = -4(-1/2)$
 $Y = 2$
 $(-1/2, 2)$

16) $7(N + 2) + 2N - 6(N + 4) = -1$
 $7N + 14 + 2N - 6N - 24 = -1$
 $3N - 10 = -1$
 $N = 3$
 $3, 5, 7$

17) $.10D + .05N = .95, \quad D + N = 12$
 $10D + 5N = 95$
 $-5D - 5N = -60$
 $5D = 35$
 $D = 7$
 $(7) + N = 12$
 $N = 5$

18) $\frac{2}{3} \div \frac{5}{6} \times \frac{1}{2} =$
 $\frac{2}{\cancel{3}} \times \frac{\cancel{6}}{5} \times \frac{1}{\cancel{2}} = \frac{2}{5}$

19) $20X - 2X + 140 = 209$
 $18X = 69$
 $X = 69/18 = 3 \frac{5}{6}$

20) $5.5\% = .055$
 $.055 \times 400 = 22$