

2. $(x + 3)(2x^2 + x - 3)$
 $2x^3 + 7x^2 - 9$

6

4. $(p - 3)(p^2 - 4p + 2)$
 $p^3 - 7p^2 + 14p - 6$

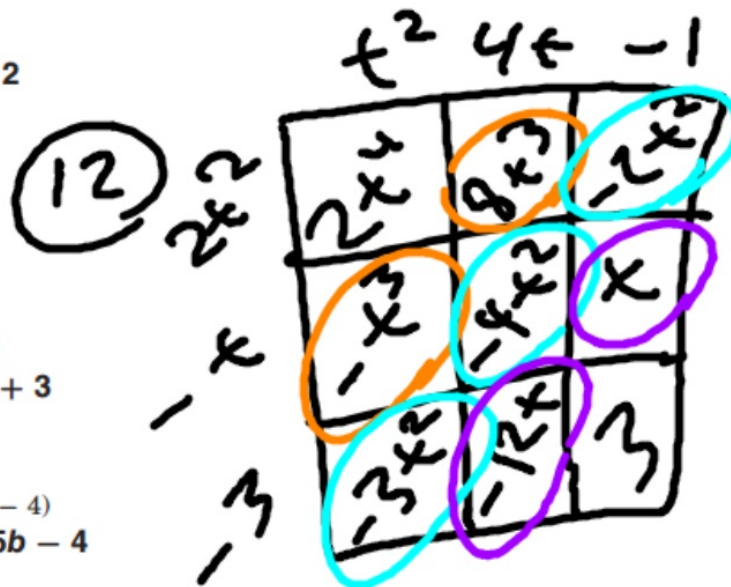
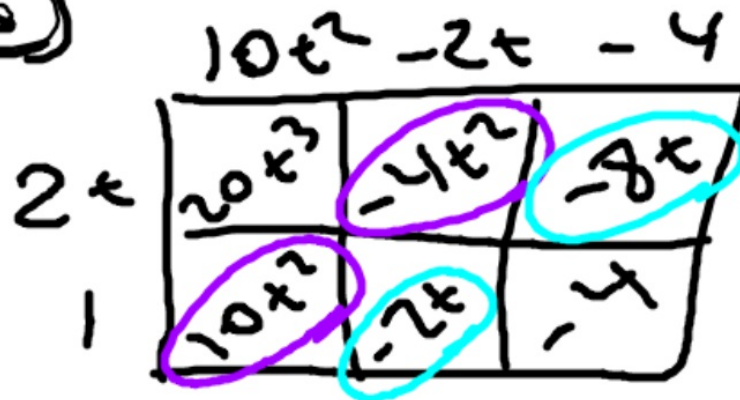
6. $(2t + 1)(10t^2 - 2t - 4)$
 $20t^3 + 6t^2 - 10t - 4$

8. $(8x - 2)(3x^2 + 2x - 1)$
 $24x^3 + 10x^2 - 12x + 2$

10. $(3x - 4)(2x^2 + 3x + 3)$
 $6x^3 + x^2 - 3x - 12$

12. $(t^2 + 4t - 1)(2t^2 - t - 3)$
 $2t^4 + 7t^3 - 9t^2 - 11t + 3$

14. $(3b^2 - 2b + 1)(2b^2 - 3b - 4)$
 $6b^4 - 13b^3 - 4b^2 + 5b - 4$



" difference of squares"
 $(a + b)(a - b) = \underline{a^2} - \underline{b^2}$

1. $(x-4)(x+4)$ $x^2 - 16$ $\begin{array}{|c|c|} \hline x & -4 \\ \hline x^2 & -4x \\ \hline 4x & -16 \\ \hline \end{array}$ 2. $(p+2)(p-2)$ $p^2 - 4$ $\begin{array}{|c|c|} \hline p & 2 \\ \hline p^2 & 2p \\ \hline 2p & -4 \\ \hline \end{array}$ 3. $(4x-5)(4x+5)$ $16x^2 - 25$

4. $(2x-1)(2x+1)$

5. $(h+7)(h-7)$

6. $(m-5)(m+5)$

7. $(2d-3)(2d+3)$

8. $(3-5q)(3+5q)$

9. $(x-y)(x+y)$

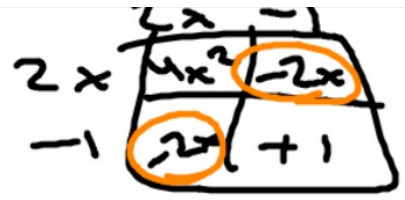
$x^2 - y^2$

10. $(y-4x)(y+4x)$

11. $(8+4x)(8-4x)$

12. $(3a-2b)(3a+2b)$

$9a^2 - 4b^2$



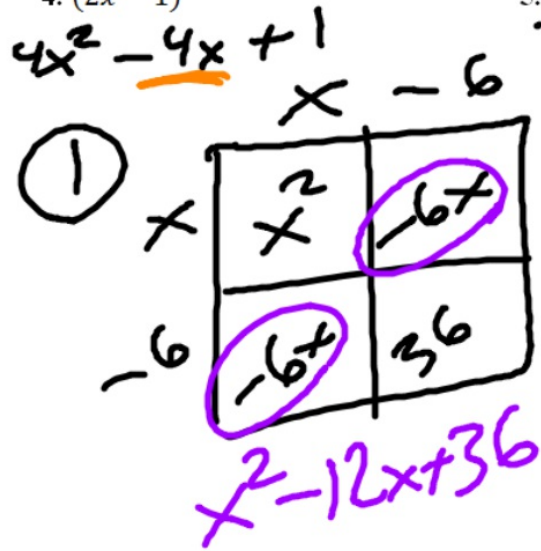
Exercises

Find each product.

1. $(x - 6)^2$

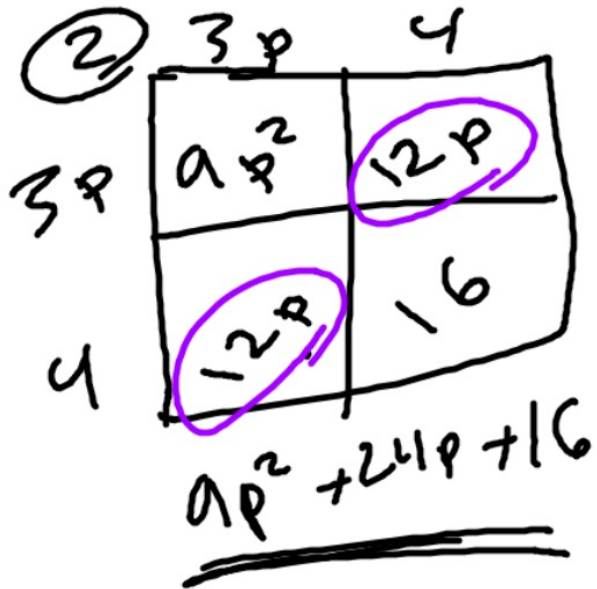
$(x - 6)(x - 6)$

4. $(2x - 1)^2$



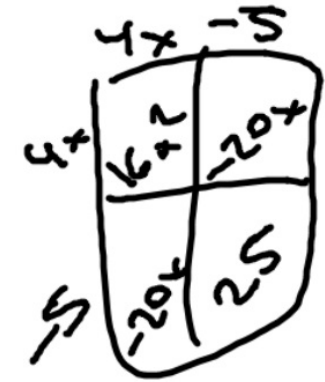
2. $(3p + 4)^2$

$(3p + 4)(3p + 4)$



3. $(4x - 5)^2$

$16x^2 - 40x + 25$



5. $(2h + 3)^2$

6. $(m + 5)^2$