Perkalian Aljabar

1. $x(3x + 5) =$

   A. $3x + 5$
   B. $3x^2 + 5$
   C. $3x^2 + 5x$
   D. $x^2 + 15$
   E. $3x^2 + 5x^2$

2. $2a(b + 7) =$

   A. $2ab + 7$
   B. $2a + 14b$
   C. $2ab + 14a$
   D. $2ab + 14$
   E. $2a^2 + 7b$

3. $(x + 4)(x + 6) =$

   A. $x^2 + 24$
   B. $x^2 + 10x + 24$
   C. $x^2 + 6x + 4$
   D. $2x^2 + 10$
   E. $x^2 + 12x + 6$

4. $(2y - 3)(y + 5) =$

   A. $2y^2 + 10y - 3$
   B. $2y^2 - 15$
   C. $2y^2 + 7y - 15$
   D. $2y^2 - 7y - 15$
   E. $y^2 + 10y - 15$

5. $(p + 2)(p - 2) =$

   A. $p^2 - 4$
   B. $p^2 + 4$
   C. $2p^2 - 4$
   D. $p^2 - 2p$
   E. $p^2 + 2p - 4$

6. $m(m^2 + 3m - 2) =$

   A. $m^3 + 3m^2 - 2m$
   B. $4m^2 + 3m - 2$
   C. $4m^3 + 2m$
   D. $4m^2 + 3m^2 - 2m$
   E. $m^3 + 4m - 2$

7. $(3x + 1)(2x - 7) =$

   A. $6x^2 - 21x + 1$
   B. $6x^2 - 20x - 7$
   C. $6x^2 - 19x - 7$
   D. $6x^2 - 20x - 1$
   E. $5x^2 - 20x - 7$

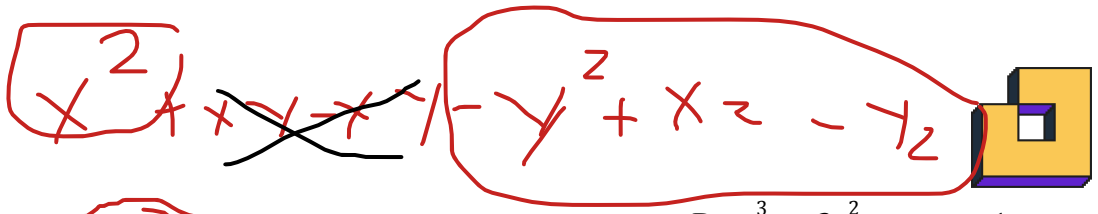
8. $(a + b)(a + 3b) =$

   A. $a^2 + 3ab + b$
   B. $a^2 + 4ab + 3b^2$
   C. $a^2 + ab + 3b$
   D. $2a^2 + 3b^2$
   E. $a^2 + 3a + b^2$

9. $(2p - q)(p + 4q) =$

   A. $2p^2 + 7pq - 4q$
   B. $2p^2 + 8pq - q$
   C. $2p^2 + 7pq - 4q^2$
   D. $2p^2 + 8pq - q^2$
   E. $p^2 + 8pq - 4q^2$

10. $(x + y + z)(x - y) =$



A. $x^2 - y^2 + xz - yz$
B. $x^2 - y^2 + xy - yz$
C. $x^2 + y^2 - z^2$
D. $2x^2 - y^2$
E. $x^2 - y^2 + z$

11. $(2x - 5)(3x + 2)$

A. $6x^2 - 11x - 10$
B. $6x^2 - 15x - 10$
C. $6x^2 - 11x + 10$
D. $5x^2 - 11x - 10$
E. $6x^2 + 11x - 10$

12. $(m + 4)(m + 4)$

A. $m^2 + 8m + 16$
B. $m^2 + 4m + 16$
C. $2m^2 + 16$
D. $m^2 + 16$
E. $m^2 + 6m + 16$

13. $(a - b)(a + b)$

A. $a^2 - b^2$
B. $a^2 + b^2$
C. $a^2 - 2b$
D. $a^2 + 2ab + b^2$
E. $2a^2 - b^2$

14. $(x + 2)(x^2 + x + 1)$

A. $x^3 + 2x^2 + 2x + 2$
B. $x^3 + 2x^2 + 2x + 1$
C. $x^3 + 3x^2 + 3x + 2$
D. $x^3 + 2x^2 + x + 1$
E. $2x^3 + x^2 + 2x + 1$

15. $(y - 3)(y^2 + 2y - 1)$

A. $y^3 - y^2 - 7y + 3$
B. $y^3 - y^2 - 7y - 3$
C. $y^3 - y^2 + 7y - 3$
D. $y^3 - y^2 - 6y - 3$
E. $y^3 - y^2 - 7y - 1$

16. $(p + q + r)(2p - q) =$

A. $2p^2 + pq + 2pr - q^2 - qr$
B. $2p^2 + 2pq + 2pr - q^2 - qr$
C. $2p^2 + pq + pr - q^2$
D. $p^2 + pq + 2pr - q^2$
E. $2p^2 + 2pr - q^2$

17. $(3x + 2y)(x - y)$

A. $3x^2 - x - 2y^2$
B. $3x^2 - xy - 2y^2$
C. $3x^2 - xy + 2y^2$
D. $3x^2 + xy - 2y^2$
E. $3x^2 - 2xy - 2y^2$

18. $(z + 5)(z - 7)$

A. $z^2 - 35$
B. $z^2 - 2z - 35$
C. $z^2 - 2z + 35$
D. $z^2 + 12z - 35$
E. $z^2 - 12z - 35$

19. $2a(3a + 4b - c)$

A. $6a^2 + 8ab - 2ac$
B. $6a^2 + 4b - 2c$

C. $6a^2 + 8a - 2c$

D. $6a^2 + 8ab - ac$

E. $6a^2 + 8ab - 2abc$

20. $(x^2 + x + 1)(x + 1) =$

A. $x^3 + 2x^2 + 2x + 1$

B. $x^3 + 2x^2 + 2x$

C. $x^3 + 3x^2 + 2x + 1$

D. $2x^3 + 2x^2 + x + 1$

E. $x^3 + x^2 + 2x + 1$