

○次の計算をせよ。

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

6. $3(x + \frac{1}{3})^2 =$

[$x^2 + 5x - 14$]

[$3x^2 + 2x + \frac{1}{3}$]

2. $3(\frac{1}{3}x + \frac{5}{3})(x - 5) =$

7. $\frac{1}{2}(x - \frac{2}{3})(2x + \frac{4}{3}) =$

[$x^2 - 25$]

[$x^2 - \frac{4}{9}$]

3. $\frac{1}{2}(2x - 10)(x + 3) =$

8. $(x + 2y)^2 =$

[$x^2 - 2x - 15$]

[$x^2 + 4xy + 4y^2$]

4. $\frac{2}{3}(2x - \frac{3}{5})(3x + \frac{9}{10}) =$

9. $(x + y + 5)(x + y - 5) =$

[$4x^2 - \frac{9}{25}$]

[$x^2 + 2xy + y^2 - 25$]

5. $2(x - 5)(x - 6) =$

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

[$2x^2 - 22x + 60$]

[$x^2 - y^2 + 2yz - z^2$]