# Important Questions for Class 8
## Maths
### Chapter 7 – Factorisation

1. Factorise $ax^2 + by^2 + bx^2 + ay^2$

2. Factorise using identity $x^2 + 10x + 25$

3. Factorise $(a+b)^2 - (a-b)^2$

4. Simplify $\lceil 10^2 - 18 \times 10 + 81 \rceil$

5. Factorise $16a^2 - \frac{25}{4a^2}$

6. Simplify $\frac{4m^2 - 169n^2}{2m + 13n}$

7. Simplify $\frac{p^2 + 11p + 28}{p + 4}$

8. Find x and y that $xy = 72$, $x + y = 17$.

9. Simplify $(xy+yz)^2 - (xy-yz)^2$

10. The area of a rectangle is $6a^2 + 36a$ and its width is 36a. Find its length.

11. Find the factors of $25x^2 - 4y^2 + 28yz - 49z^2$.