

## Kumpulan Soal

Materi : Pecahan Bentuk Aljabar

Kelas/Smester : VIII/1

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A. Sederhanakanlah bentuk Aljabar berikut:

1.  $\frac{12a+8}{4}$

2.  $\frac{10a-20b}{5}$

3.  $\frac{x^2-3xy}{x}$

4.  $\frac{18x^2-12x^3}{6x}$

5.  $\frac{3}{6p+9q}$

6.  $\frac{4a^2-9a}{2a+3}$

7.  $\frac{x^2-x}{x^2-1}$

8.  $\frac{x^2+2x-35}{x^2+14x+49}$

9.  $\frac{2x^2+x-1}{2x^2+5x-3}$

10.  $\frac{x^2+10x+25}{x^2-25}$

B. Sederhanakan pecahan-pecahan bersusun berikut ::

$$11. \frac{\frac{1}{2} - \frac{1}{3}}{1 - \frac{1}{3}}$$

$$12. \frac{\frac{a+b}{c} - \frac{c}{a+b}}{\frac{1}{c} - \frac{1}{a+b}}$$

$$13. \frac{\frac{2x}{y} + \frac{5}{3}}{\frac{5y}{2x} + \frac{3}{1}}$$

$$14. \frac{\frac{1}{x} - \frac{1}{x^2}}{\frac{1}{x} + \frac{1}{x^2}}$$

$$15. \frac{1}{y-2} + \frac{3}{y^2+y-6}$$