

17. The LCM of  $5x$  and  $x^2$  is  $5x^2$ , so multiply the first term by  $\frac{x}{x}$  and the second term by  $\frac{5}{5}$  before adding the numerators;

$$\frac{2(x + 10)}{5x^2}$$

18. The LCM is  $(x + 2)(x - 5)$ , so multiply  $x$  by  $x - 5$  and  $4$  by  $x + 2$ ;

$$\frac{x^2 - x + 8}{(x + 2)(x - 5)}$$

19.  $\frac{37}{30x}$

20.  $\frac{15x + 32}{12x^2}$

21.  $\frac{2(x + 7)}{(x + 4)(x + 6)}$

22.  $\frac{2x^2 + 3x + 9}{(x - 3)(x + 1)}$

23.  $\frac{3(x + 12)}{(x + 8)(x - 3)}$

24.  $\frac{-x + 1}{(x + 7)(x - 2)}$

25.  $\frac{8x^3 - 9x^2 - 28x + 8}{x(x - 4)(3x - 1)}$

26.  $\frac{-x^3 - 3x^2 - x - 51}{(x + 5)(x - 5)(x + 3)}$