Act. #55

Reduce each fraction to lowest terms.

1. $\frac{r(t+2)}{r(t-7)}$

2. $\frac{3m-3n}{6m-6n}$

3. $\frac{m(n+t)}{n(n+t)}$

4. $\frac{c(r+s)}{d(r+s)}$

5. $\frac{3x+xy}{4x+xy}$

6. $\frac{2y+xy}{3y+xy}$

7. $\frac{ab+ac}{b^2+bc}$

8. $\frac{mx-my}{nx-ny}$

9. $\frac{6x+21}{8x+28}$

10. $\frac{27y-81}{15y-45}$

11. $\frac{3a^2bm-a^2bn}{2a^2bm+a^2bn}$

12. $\frac{3xmn^2-2mn^2}{3xmn^2+2mn^2}$

13. $\frac{15x^4y^2+6x^3y^2}{6x^4y^2-15x^3y^3}$

14. $\frac{15a^3b+10a^2b^2}{10a^3b-25a^2b^2}$

15. $\frac{42x^3y^4+18x^2y^6}{18x^3y^4-12x^2y^6}$

16. $\frac{27m^2n^5-63mn^7}{18m^2n^5+27mn^7}$

17. $\frac{5a^2-25a}{35a-7a^2}$

18. $\frac{10bx-30by}{27by-9bx}$

19. $\frac{30x^2y^2-20x^2y}{14xy^2-21xy^3}$

20. $\frac{120a^3b^2n-75a^3b^2m}{40abm-64abn}$

* 21. $\frac{2x^3-10x^2+3x-15}{3x^3-15x^2+4x-20}$

* 22. $\frac{4x^3+4x^2-5x-5}{2x^3+2x^2+3x+3}$

* 23. $\frac{9m^2-25}{3m^3+5m^2+21m+35}$

* 24. $\frac{5x^2-11x+6}{10x^3-12x^2+25x-30}$

* 25. $\frac{5x^3+15x^2+10x}{3x^3+x^2-12x-4}$

* 26. $\frac{2x^3+13x^2+15x}{4x^3+20x^2-9x-45}$

* Group Factoring → 4 terms