17. $35x^5 + 21x^4 + 7x^3$

18. $-44x^8 - 8x^7 - 36x^6 - 4x^5$

19. $-10x^3 + 23x^2 - 24x + 18$

20. $-2x^3 - 11x^2 - 23x - 24$

21. $x^4 - 5x^3 - 3x^2 + 22x + 20$

22. $-12x^4 - 10x^3 + 3x^2 + 3x + 2$

23. $3x^5 - 6x^4 - 6x^3 + 25x^2 - 23x + 7$

24. $4x^6 - 8x^5 + 10x^4 - 8x^3 - 38x^2 - 8x$

25. The negative was not distributed through the entire second set of parenthesis;
$(x^2 - 3x + 4) - (x^3 + 7x - 2) = x^2 - 3x + 4 - x^3 - 7x + 2$
$$= -x^3 + x^2 - 10x + 6$$

26. The exponent cannot be distributed through a binomial. The three binomials must be multiplied;
$(2x - 7)^3 = 8x^3 - 84x^2 + 294x - 343$

27. $x^3 + 3x^2 - 10x - 24$

28. $x^3 - 9x^2 + 8x + 60$

29. $12x^3 - 29x^2 + 7x + 6$

30. $6x^3 + 11x^2 - 26x - 40$

31. $-24x^3 + 86x^2 - 57x - 20$

32. $30x^3 - 19x^2 - 14x + 8$

33. $(a + b)(a - b) = a^2 - ab + ab - b^2 = a^2 - b^2$;
Sample answer: $24 \cdot 16 = (20 + 4)(20 - 4)$
$$= 20^2 - 4^2$$
$$= 400 - 16$$
$$= 384$$

34. $31 \cdot 29$ can be found using: $(30 + 1)(30 - 1) = 30^2 - 1^2$
$$= 900 - 1$$
$$= 899$$