4.2 Practice A

1. $4x^2 + 7x - 9$

2. $7x^5 + 5x^4 + 3x^2 - 3x - 5$

3. $5x^4 + 2x^3 - 4x^2 - 9$

4. $-4x^3 + 4x^2 - 4x + 2$

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

6. $7x^5 - 6x^4 + 13x^3 - 3x^2 + 12x + 8$

7. $7x^2 + 9x - 8$

8. $15x^4 + 35x^3 + 30x^2$

9. $-20x^7 + 18x^6 + 14x^5 - 8x^4$

10. $-24x^3 + 25x^2 - 9x + 2$

11. $-3x^3 - 20x^2 - 21x - 54$

12. The negative was distributed incorrectly;
$$-3x^2(4x^2 - 5x + 7) = -12x^4 + 15x^3 - 21x^2$$

13. $x^3 - 13x + 12$

14. $x^3 - 13x^2 + 24x + 108$

15. $4x^3 + 8x^2 - 15x - 9$

16. $12x^3 - 25x^2 - 87x - 20$

17. $x^2 - 64$ 18. $y^2 + 8y + 16$

19. $4p^2 - 12p + 9$

4.3 Practice A

1. $x + 6 + \dfrac{42}{x - 5}$ 2. $2x + 3 + \dfrac{5}{x - 2}$

3. $x + 1 + \dfrac{3}{x^2 - 9}$ 4. $6x - 1 + \dfrac{2}{x^2 + 2}$