CHECK ANSWERS 12.6
#13-16, 25,26, 30-40even
(all answers included below)

Use Pascal's Triangle and Binomial Theorem as instructed in the book.

$-4060A^3B^{27}$ 　　　 $-25x^{47}$ 　　　 $3520\sqrt{2}y^3$

$4845a^{16}b^{16}$ 　　　 $x^{15} + 30x^{\frac{29}{2}} + 435x^{14} + 4060x^{\frac{27}{2}}$

$1 + 3x^3 + 3x^6 + x^9$ 　　　　　 $x^{40} + 40x^{38} + 780x^{36}$

$1 - 5x + 10x^2 - 10x^3 + 5x^4 - x^5$

$x^4 + 8x^3y + 24x^2y^2 + 32xy^3 + 16y^4$

$8x^3 - 36x^2y + 54xy^2 - 27y^3$

$32 + 40x + 20x^2 + 5x^3 + \dfrac{5}{8}x^4 + \dfrac{1}{32}x^5$

$\dfrac{1}{x^5} - \dfrac{5}{x^{7/2}} + \dfrac{10}{x^2} - \dfrac{10}{x^{1/2}} + 5x - x^{5/2}$