

Page 186 # 8, 10, 11, 17, 18, 19, 28, 32, 34, 40
47, 48, 49, 52

$$8) 9s^2 - 24s + 16 \\ (3s - 4)^2$$

$$10) 4h^2 - 81 \\ (2h - 9)(2h + 9)$$

$$11) 121s^2 - 66st + 9t^2 \\ (11s - 3t)^2$$

$$17) t^3 - 27 \\ (t - 3)(t^2 + 3t + 9)$$

$$18) 8p^3 + 1 \\ (2p + 1)(4p^2 - 2p + 1)$$

$$19) 16r^4s + 2rs^4 \\ 2rs(2r + s)(4r^2 - 2rs + s^2)$$

$$28) 4ab + 1 - 2a - 2b \\ (2a - 1)(2b - 1)$$

$$32) x^2 - y^2 - 4y - 4 \\ (x - y - 2)(x + y + 2)$$

$$34) 4u^4v^2 + 4u^2v + 1 \\ (2u^2v + 1)^2$$

$$40) 64 - z^6 \\ (2-z)(4+2z+z^2)(2+z)(4-2z+z^2)$$

$$47) (a+b)^6 - (a-b)^6 \\ 4ab(3a^2+b^2)(a^2+3b^2)$$

$$48) (a+b)^4 - (a-b)^4 \\ 8ab(a^2+b^2)$$

$$49) x^{2n} - 1 \\ (x^n - 1)(x^n + 1)$$

$$52) x^{3n} + y^{3n} \\ (x^n + y^n)(x^{2n} - x^n y^n + y^{2n})$$