Factoring Binomials Using Greatest Common Factor

MATH MONKS

① $5p^4 - 5p^5$	② $35w^5 + 40w^8$	③ $35x^3y + 25xy^3$
④ $16m^2n^2 + 32m^4n$	⑤ $7abc - 63ab$	⑥ $90r + 10rs$
⑦ $36u^3 + 63u^2$	⑧ $40w^4x - 20x^4w^2$	⑨ $50b + 5mb$
⑩ $10xy + xyz$	⑪ $40w^4x - 20x^4w^2$	⑫ $5b^2c + 30ca$
⑬ $14m^2 + 21n^2$	⑭ $3p^4 - 30p^4d$	⑮ $-7xy^2 + 28y^2z$

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Answers

① $5p^4 - 5p^5$ $5p^4(1 - p)$	② $35w^5 + 40w^8$ $5w^5(7 + 8w^3)$	③ $35x^3y + 25xy^3$ $5xy(7x^2 + 5y^2)$
④ $16m^2n^2 + 32m^4n$ $16m^2n(n + 2m^2)$	⑤ $7abc - 63ab$ $7ab(c - 9)$	⑥ $90r + 10rs$ $10r(9 + s)$
⑦ $36u^3 + 63u^2$ $9u^2(4u + 7)$	⑧ $40w^4x - 20x^4w^2$ $20w^2x(2w^2 - x^3)$	⑨ $50b + 5mb$ $5b(10 + m)$
⑩ $10xy + xyz$ $xy(10 + z)$	⑪ $40w^4x - 20x^4w^2$ $20w^2x(2w^2 - x^3)$	⑫ $5b^2c + 30ca$ $5c(b^2 + 6a)$
⑬ $14m^2 + 21n^2$ $7(2m^2 + 3n^2)$	⑭ $3p^4 - 30p^4d$ $3p^4(1 - 10d)$	⑮ $-7xy^2 + 28y^2z$ $7y^2(-x + 4z)$