

GCF of Monomials

Find the greatest common factor for each set of monomials.

① $4xy, 6x^2$

② $12g^2, 8gh^2$

GCF:

GCF:

③ $16a^4bc, 20a^3bc^2$

④ $8m^4, 15mn^3$

GCF:

GCF:

⑤ $22s^2t^2, 88s^5t^3$

⑥ $48p^5q^7r^{10}, 12p^3q^2$

GCF:

GCF:

⑦ $30u^2v^2, 99u^7v^2$

⑧ $18x^2y^2, 21x$

GCF:

GCF:

⑨ $50a^2bc, 70ab^2c^2$

⑩ $24ab^5, 12ab^4c$

GCF:

GCF:

⑪ $15r^2s^3, r^3s^3t^2$

⑫ $14mn^2, 7m^2n$

GCF:

GCF:

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Answers

① $4xy, 6x^2$

② $12g^2, 8gh^2$

GCF: $2x$

GCF: $4g$

③ $16a^4bc, 20a^3bc^2$

④ $8m^4, 15mn^3$

GCF: $4a^3bc$

GCF: m

⑤ $22s^2t^2, 88s^5t^3$

⑥ $48p^5q^7r^{10}, 12p^3q^2$

GCF: $22s^2t^2$

GCF: $12p^3q^2$

⑦ $30u^2v^2, 99u^7v^2$

⑧ $18x^2y^2, 21x$

GCF: $3u^2v^2$

GCF: $3x$

⑨ $50a^2bc, 70ab^2c^2$

⑩ $24ab^5, 12ab^4c$

GCF: $10abc$

GCF: $12ab^4$

⑪ $15r^2s^3, r^3s^3t^2$

⑫ $14mn^2, 7m^2n$

GCF: r^2s^3

GCF: $7mn$