

For each problem below, factor by finding the GCF.

1) $2a^4 + 8a$ $2a(a^3 + 4)$	2) $5x^3 - 10$ $5(x^3 - 2)$
3) $8ab^2 - 12a^2b^3$ $4ab^2(2 - 3ab)$	4) $10c^3d^2 - 15cd^3$ $5cd^2(2c^2 - 3d)$
5) $15f - 20g^2$ $5(3f - 4g^2)$	6) $3y^4 + 9y^2 - 15$ $3(y^4 + 3y^2 - 5)$
7) $10d^7 + 2d^5$ $2d^5(5d^2 + 1)$	8) $7w^3 - 35w^2$ $7w^2(w - 5)$
9) $2x + 2y$ $2(x + y)$	10) $-32y^2 - 24y$ $-8y(4y + 3)$
11) $6x^2yz + 2xy^2z - 4xyz$ $2xyz(3x + y - 2)$	12) $12a^4b^3c^2 - 4a^3bc^2 + 8a^2c - 16ab$ $4a(3a^3b^3c^2 - a^2bc^2 + 2ac - 4b)$

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R Barnett



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