

Factor(Factor)(Factor) - Extra

Factor each completely, then solve for when $f(x) = 0$.

1) $f(x) = 16x^4 - 1$

2) $f(x) = 64x^6 - 1$

3) $f(x) = 48x^2 - 75$

4) $f(x) = -3x^8 - 57x^5 + 648x^2$

5) $f(x) = -343x^7 + 125x$

6) $f(x) = 125x - 216x^7$

$$7) f(x) = 8x^2 + 125x^8$$

$$8) f(x) = -125x^6 - 216$$

$$9) f(x) = -256x^5 + 484x^3$$

$$10) f(x) = x^4 + 19x^3 + 90x^2$$

$$11) f(x) = x^4 + 16x^2 + 63$$

$$12) f(x) = 216x^8 + 343x^2$$

