

Factor each.

1) $x^4 - 3x^2 - 40 = 0$

2) $x^3 - 3x^2 - 4x = 0$

3) $x^4 + 9x^2 + 20 = 0$

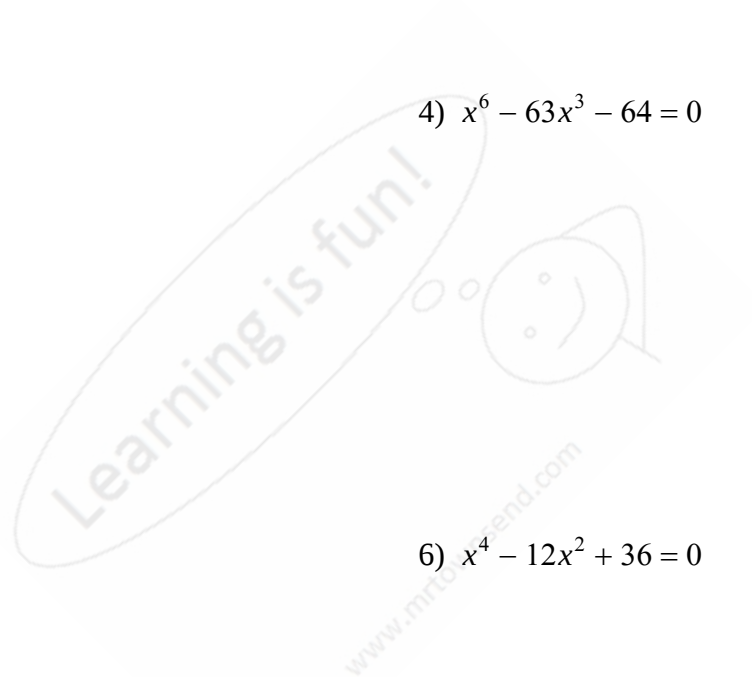
4) $x^6 - 63x^3 - 64 = 0$

5) $x^6 - 1 = 0$

6) $x^4 - 12x^2 + 36 = 0$

7) $x^4 + 7x^2 + 12 = 0$

8) $x^3 + 4x^2 + 2x + 8 = 0$



Answers to

- 1) $(x^2 - 8)(x^2 + 5) = 0$ 2) $x(x + 1)(x - 4) = 0$ 3) $(x^2 + 5)(x^2 + 4) = 0$
4) $(x + 1)(x^2 - x + 1)(x - 4)(x^2 + 4x + 16) = 0$ 5) $(x - 1)(x^2 + x + 1)(x + 1)(x^2 - x + 1) = 0$
6) $(x^2 - 6)^2 = 0$ 7) $(x^2 + 4)(x^2 + 3) = 0$ 8) $(x + 4)(x^2 + 2) = 0$

