Factoring Polynomials-Level 2

No Calculator

1. $(x^3)((x^2)+2) = 24x$, What are the two possible values of X^2 ?
2. $(x^3)((x^2)-4) = 12x$, What are the two possible values of X^2 ?
3. $(x^3)((x^2)-14) = -49x$, What are the two possible values of X^2 ?
4. $(x^3)((x^2)-1) = 30x$, What are the two possible values of X^2 ?
5. $(x^3)((x^2)-2) = 35x$, What are the two possible values of X^2 ?
6. $(x^3)((x^2)+3) = -2x$, What are the two possible values of X^2 ?
7. $(x^3)((x^2)-12) = -36x$, What are the two possible values of X^2 ?
8. $(x^3)((x^2)+1) = 42x$, What are the two possible values of X^2 ?
9. $(x^3)((x^2)-4) = -4x$, What are the two possible values of X^2 ?
10. $(x^3)((x^2)-2) = -x$, What are the two possible values of X^2 ?
11. $(x^3)((x^2)+4) = 5x$, What are the two possible values of X^2 ?
12. $(x^3)((x^2)-2) = -x$, What are the two possible values of X^2 ?
13. $(x^3)((x^2)-5) = -4x$, What are the two possible values of X^2 ?
14. $(x^3)((x^2)-1) = 30x$, What are the two possible values of X^2 ?
15. $(x^3)((x^2)-9) = -18x$, What are the two possible values of X^2 ?
16. $(x^3)((x^2)-6) = 7x$, What are the two possible values of X^2 ?
17. $(x^3)((x^2)+2) = 15x$, What are the two possible values of X^2 ?
18. $(x^3)((x^2)-4) = 12x$, What are the two possible values of X^2 ?
19. $(x^3)((x^2)-4) = 21x$, What are the two possible values of X^2 ?
20. $(x^3)((x^2)-2) = 15x$, What are the two possible values of X^2 ?

What are the real possible values of x:

1. $x^3 - 4x^2 + 2x - 8 = 0$
2. $x^3 - 2x^2 + 5x - 10 = 0$
3. $x^3 - 7x^2 - 3x + 21 = 0$
4. $x^3 - 7x^2 - 2x + 14 = 0$
5. $x^3 + 4x^2 + 4x + 16 = 0$
6. $x^3 + 5x^2 + 5x + 25 = 0$
7. $x^3 - 2x^2 + 4x - 8 = 0$
8. $x^3 + x^2 + x + 1 = 0$
9. $x^3 + 5x^2 - x - 5 = 0$
10. $x^3 + 7x^2 + 2x + 14 = 0$
11. $x^3 + x^2 + 7x + 7 = 0$
12. $x^3 + 7x^2 + 4x + 28 = 0$
13. $x^3 + x^2 + 4x + 4 = 0$
14. $x^3 + 7x^2 - 5x - 35 = 0$
15. $x^3 - x^2 + 6x - 6 = 0$
16. $x^3 + 4x^2 + 7x + 28 = 0$
17. $x^3 + 6x^2 + x + 6 = 0$
18. $x^3 + 2x^2 + 2x + 4 = 0$
19. $x^3 + x^2 + 2x + 2 = 0$
20. $x^3 - 6x^2 - 6x + 36 = 0$

1. x= -6, x=4	1. x=4
2. x= -2, x=6	2. x=2
3. x= 7, x=-7	3. x=7, x=$\sqrt{3}$
4. x= 6, x=-5	4. x=7, x=$\sqrt{2}$
5. x= 7, x=-5	5. x=-4
6. x= -2, x=-1	6. x=-5
7. x= 6, x=-6	7. x=2
8. x= -7, x=6	8. x=-1
9. x= 2, x=-2	9. x=-5, x=1
10. x= 1, x=-1	10. x=-7
11. x= 1, x=-5	11. x=-1
12. x= 1, x=1	12. x=-7
13. x= 1, x=4	13. x=-1
14. x= -5, x=6	14. x=-7, x=$\sqrt{5}$
15. x= 6, x=3	15. x=1
16. x= 7, x=-1	16. x=-4
17. x= -5, x=3	17. x=-6
18. x= -2, x=6	18. x=-2
19. x= 7, x=-3	19. x=-1
20. x= 5, x=-3	20. x=6, x=$\sqrt{6}$