39. factor

40. not a factor

41. not a factor

42. not a factor

43. factor

44. factor

45.

−4	1	−1	−20	0
		−4	20	0
	1	−5	0	0

$g(x) = x(x + 4)(x - 5)$

46.

5	1	−5	−9	45
		5	0	−45
	1	0	−9	0

$t(x) = (x - 5)(x - 3)(x + 3)$

47.

6	1	−6	0	−8	48
		6	0	0	−48
	1	0	0	−8	0

$f(x) = (x - 6)(x - 2)(x^2 + 2x + 4)$

48.

−4	1	4	0	−64	−256
		−4	0	0	256
	1	0	0	−64	0

$s(x) = (x + 4)(x - 4)(x^2 + 4x + 16)$

49.

−7	1	0	−37	84
		−7	49	−84
	1	−7	12	0

$r(x) = (x + 7)(x - 3)(x - 4)$

50.

−2	1	−1	−24	−36
		−2	6	36
	1	−3	−18	0

$h(x) = (x + 2)(x - 6)(x + 3)$

51. D; The x-intercepts of the graph are 2, 3, and -1.

52. C; The x-intercepts of the graph are 0, -2, -1, and 2.

53. A; The x-intercepts of the graph are -2, -3, and 1.

54. B; The x-intercepts of the graph are 0, 2, 1, and -2.