

Matrix Practice Answer

CBDT

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1 Matrix Multiplication

answer1

$$\begin{bmatrix} 83 & -60 \\ 48 & -81 \end{bmatrix}$$

answer2

$$\begin{bmatrix} -6 & -80 \\ -36 & -10 \end{bmatrix}$$

answer3

$$\begin{bmatrix} 8 & -19 \\ -4 & -49 \end{bmatrix}$$

answer4

$$\begin{bmatrix} -23 & -36 \\ -43 & -90 \end{bmatrix}$$

answer5

$$\begin{bmatrix} 6 & 38 \\ 14 & 0 \end{bmatrix}$$

answer6

$$\begin{bmatrix} 100 & -50 \\ -20 & 10 \end{bmatrix}$$

answer7

$$\begin{bmatrix} -111 & 153 \\ 87 & -117 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 16 & 54 \\ 48 & -42 \end{bmatrix}$$

answer9	$\begin{bmatrix} 20 & -20 \\ -87 & 10 \end{bmatrix}$
answer10	$\begin{bmatrix} -75 & -67 \\ -35 & -35 \end{bmatrix}$
answer11	$\begin{bmatrix} -96 & -16 \\ -43 & -55 \end{bmatrix}$
answer12	$\begin{bmatrix} 15 & -3 \\ 15 & 51 \end{bmatrix}$
answer13	$\begin{bmatrix} 16 & 26 \\ 3 & -24 \end{bmatrix}$
answer14	$\begin{bmatrix} -35 & 30 \\ 46 & -33 \end{bmatrix}$
answer15	$\begin{bmatrix} 32 & 4 \\ -66 & -82 \end{bmatrix}$
answer16	$\begin{bmatrix} -20 & 84 \\ -93 & -5 \end{bmatrix}$
answer17	$\begin{bmatrix} 5 & 1 \\ 66 & 21 \end{bmatrix}$
answer18	$\begin{bmatrix} -19 & 33 \\ -3 & 1 \end{bmatrix}$
answer19	$\begin{bmatrix} 54 & 57 \\ 45 & 14 \end{bmatrix}$
answer20	$\begin{bmatrix} 5 & -6 \\ 41 & -34 \end{bmatrix}$
answer21	$\begin{bmatrix} -76 & 103 \\ -76 & 108 \end{bmatrix}$
answer22	$\begin{bmatrix} 18 & 10 \\ -18 & -10 \end{bmatrix}$

answer23

$$\begin{bmatrix} -33 & 28 \\ -54 & 24 \end{bmatrix}$$

answer24

$$\begin{bmatrix} -32 & 2 \\ -26 & 26 \end{bmatrix}$$

answer25

$$\begin{bmatrix} -37 & 52 \\ 1 & 64 \end{bmatrix}$$

answer26

$$\begin{bmatrix} 48 & -4 \\ -16 & -2 \end{bmatrix}$$

answer27

$$\begin{bmatrix} 88 & -12 \\ -66 & 24 \end{bmatrix}$$

answer28

$$\begin{bmatrix} 2 & 23 \\ 2 & 23 \end{bmatrix}$$

answer29

$$\begin{bmatrix} -25 & 8 \\ -50 & -23 \end{bmatrix}$$

answer30

$$\begin{bmatrix} 115 & 135 \\ -115 & -144 \end{bmatrix}$$

answer31

$$\begin{bmatrix} -51 & -24 \\ 85 & 30 \end{bmatrix}$$

answer32

$$\begin{bmatrix} -4 & 10 \\ 16 & 64 \end{bmatrix}$$

answer33

$$\begin{bmatrix} 33 & 36 \\ 58 & 75 \end{bmatrix}$$

answer34

$$\begin{bmatrix} 0 & 63 \\ -37 & 62 \end{bmatrix}$$

answer35

$$\begin{bmatrix} -22 & 12 \\ 52 & -2 \end{bmatrix}$$

answer36

$$\begin{bmatrix} 76 & -46 \\ -24 & 9 \end{bmatrix}$$

answer37

$$\begin{bmatrix} 9 & -2 \\ -77 & 77 \end{bmatrix}$$

answer38

$$\begin{bmatrix} -57 & 56 \\ 75 & -65 \end{bmatrix}$$

answer39

$$\begin{bmatrix} 50 & 35 \\ 36 & 30 \end{bmatrix}$$

answer40

$$\begin{bmatrix} -14 & -52 \\ 42 & 16 \end{bmatrix}$$

answer41

$$\begin{bmatrix} -56 & 40 \\ 24 & -3 \end{bmatrix}$$

answer42

$$\begin{bmatrix} 54 & 12 \\ 9 & -14 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 82 & 9 \\ 4 & 3 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -48 & 30 \\ -62 & -5 \end{bmatrix}$$

answer45

$$\begin{bmatrix} -81 & -78 \\ 27 & -3 \end{bmatrix}$$

answer46

$$\begin{bmatrix} 24 & 40 \\ -18 & -30 \end{bmatrix}$$

answer47

$$\begin{bmatrix} -46 & -30 \\ 0 & 0 \end{bmatrix}$$

answer48

$$\begin{bmatrix} 4 & 6 \\ 0 & -70 \end{bmatrix}$$

answer49

$$\begin{bmatrix} 42 & -84 \\ -80 & 44 \end{bmatrix}$$

answer50

$$\begin{bmatrix} 34 & -29 \\ 59 & -31 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 15 & -52 & 12 \\ -3 & 94 & -44 \\ -24 & 49 & 26 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 39 & 46 & -2 \\ -5 & -47 & -107 \\ -5 & 4 & -38 \end{bmatrix}$$

answer53

$$\begin{bmatrix} -71 & -60 & -16 \\ 48 & 49 & 9 \\ -47 & 82 & -18 \end{bmatrix}$$

answer54

$$\begin{bmatrix} 0 & 22 & -17 \\ -14 & -34 & 103 \\ -15 & 7 & 9 \end{bmatrix}$$

answer55

$$\begin{bmatrix} 36 & 50 & -8 \\ 23 & -62 & 58 \\ -33 & 25 & 34 \end{bmatrix}$$

answer56

$$\begin{bmatrix} 0 & 54 & -45 \\ -24 & -96 & -50 \\ -19 & 29 & -32 \end{bmatrix}$$

answer57

$$\begin{bmatrix} -15 & -5 & -65 \\ 26 & -10 & 74 \\ -3 & -5 & -41 \end{bmatrix}$$

answer58

$$\begin{bmatrix} -4 & 3 & 50 \\ 62 & 66 & 15 \\ -20 & 9 & 87 \end{bmatrix}$$

answer59

$$\begin{bmatrix} -21 & -63 & 46 \\ 11 & -76 & 145 \\ 14 & 20 & -46 \end{bmatrix}$$

answer60

$$\begin{bmatrix} 23 & 34 & 24 \\ -41 & 126 & 80 \\ -47 & 66 & 48 \end{bmatrix}$$

answer61

$$\begin{bmatrix} -6 & 32 & 72 \\ -79 & 36 & -23 \\ 67 & -33 & -19 \end{bmatrix}$$

answer62

$$\begin{bmatrix} -45 & -33 & 57 \\ 79 & -34 & -51 \\ -60 & 28 & -2 \end{bmatrix}$$

answer63

$$\begin{bmatrix} 42 & -86 & 84 \\ -60 & -126 & 36 \\ -16 & -55 & 3 \end{bmatrix}$$

answer64

$$\begin{bmatrix} 33 & -24 & 67 \\ -63 & -70 & 45 \\ -15 & -78 & 117 \end{bmatrix}$$

answer65

$$\begin{bmatrix} 32 & -61 & 53 \\ 86 & -43 & 12 \\ 22 & 17 & -51 \end{bmatrix}$$

answer66

$$\begin{bmatrix} 36 & 30 & 90 \\ 46 & -50 & 47 \\ 16 & -95 & -52 \end{bmatrix}$$

answer67

$$\begin{bmatrix} -94 & -27 & 7 \\ -4 & -36 & 16 \\ -59 & -144 & -61 \end{bmatrix}$$

answer68

$$\begin{bmatrix} 2 & -6 & 44 \\ 116 & -96 & 92 \\ 36 & 81 & 72 \end{bmatrix}$$

answer69

$$\begin{bmatrix} -44 & 11 & -33 \\ -58 & -26 & -2 \\ -11 & -16 & 8 \end{bmatrix}$$

answer70

$$\begin{bmatrix} -25 & 10 & 29 \\ -6 & -15 & -14 \\ 36 & 0 & -132 \end{bmatrix}$$

answer71

$$\begin{bmatrix} 76 & 95 & 56 \\ 87 & 63 & 46 \\ -54 & 11 & -8 \end{bmatrix}$$

answer72

$$\begin{bmatrix} 9 & -15 & -20 \\ 85 & -68 & 14 \\ 135 & 0 & 148 \end{bmatrix}$$

answer73

$$\begin{bmatrix} -22 & 96 & 8 \\ 7 & -56 & -3 \\ -8 & 30 & -6 \end{bmatrix}$$

answer74

$$\begin{bmatrix} -3 & -65 & 5 \\ 20 & 11 & -145 \\ -4 & -101 & -9 \end{bmatrix}$$

answer75

$$\begin{bmatrix} 14 & 58 & -26 \\ -115 & -77 & 61 \\ -64 & -94 & 39 \end{bmatrix}$$

answer76

$$\begin{bmatrix} -9 & -10 & -32 \\ 27 & 91 & -11 \\ 36 & 98 & -9 \end{bmatrix}$$

answer77

$$\begin{bmatrix} -49 & -3 & 46 \\ 63 & -75 & -51 \\ -97 & 1 & 93 \end{bmatrix}$$

answer78

$$\begin{bmatrix} 51 & -70 & 51 \\ -36 & 56 & -36 \\ 4 & -11 & 24 \end{bmatrix}$$

answer79

$$\begin{bmatrix} -101 & 38 & 31 \\ -18 & -9 & -44 \\ 15 & -15 & -25 \end{bmatrix}$$

answer80

$$\begin{bmatrix} 51 & 30 & 35 \\ -16 & -109 & 54 \\ 36 & -34 & 28 \end{bmatrix}$$

answer81

$$\begin{bmatrix} 68 & 0 & 9 \\ -42 & 40 & -85 \\ 19 & -80 & -31 \end{bmatrix}$$

answer82

$$\begin{bmatrix} -50 & -89 & 26 \\ -117 & -154 & 56 \\ -116 & -162 & 52 \end{bmatrix}$$

answer83

$$\begin{bmatrix} -18 & -20 & 12 \\ 15 & 30 & 18 \\ 8 & 7 & -5 \end{bmatrix}$$

answer84

$$\begin{bmatrix} -44 & 34 & 42 \\ 110 & -112 & 78 \\ 107 & -106 & 57 \end{bmatrix}$$

answer85

$$\begin{bmatrix} -106 & 111 & 53 \\ 18 & -38 & -6 \\ -12 & -8 & -8 \end{bmatrix}$$

answer86

$$\begin{bmatrix} -45 & -54 & 29 \\ 60 & 126 & 73 \\ -17 & -86 & -126 \end{bmatrix}$$

answer87

$$\begin{bmatrix} -54 & 24 & 0 \\ -18 & 8 & 0 \\ -48 & -112 & -100 \end{bmatrix}$$

answer88

$$\begin{bmatrix} -81 & 8 & -20 \\ 179 & -14 & 47 \\ 107 & -9 & 23 \end{bmatrix}$$

answer89

$$\begin{bmatrix} -46 & -168 & -12 \\ 34 & 69 & 57 \\ 104 & 10 & -30 \end{bmatrix}$$

answer90

$$\begin{bmatrix} -48 & -45 & -34 \\ -97 & -9 & 15 \\ 98 & 33 & 8 \end{bmatrix}$$

answer91

$$\begin{bmatrix} -21 & -40 & -25 \\ 13 & -75 & 90 \\ -46 & -85 & 35 \end{bmatrix}$$

answer92

$$\begin{bmatrix} -86 & -54 & -93 \\ 12 & -42 & -31 \\ 55 & 42 & 60 \end{bmatrix}$$

answer93

$$\begin{bmatrix} -21 & -133 & 14 \\ 23 & 73 & 32 \\ -35 & -5 & 66 \end{bmatrix}$$

answer94

$$\begin{bmatrix} -36 & 18 & -60 \\ -4 & 102 & 44 \\ 67 & 49 & 13 \end{bmatrix}$$

answer95

$$\begin{bmatrix} -139 & -80 & 115 \\ -85 & -21 & 36 \\ 83 & 17 & -35 \end{bmatrix}$$

answer96

$$\begin{bmatrix} -16 & 54 & -62 \\ -34 & 13 & 31 \\ 30 & 13 & 135 \end{bmatrix}$$

answer97

$$\begin{bmatrix} -40 & 70 & 48 \\ -4 & 16 & 0 \\ 72 & -98 & -40 \end{bmatrix}$$

answer98

$$\begin{bmatrix} -24 & 66 & -12 \\ -18 & 95 & -35 \\ 34 & 16 & 48 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 11 & 29 & 98 \\ 33 & 81 & 127 \\ 34 & 35 & -25 \end{bmatrix}$$

answer100

$$\begin{bmatrix} -97 & -86 & 39 \\ -97 & -79 & 25 \\ 16 & 40 & 1 \end{bmatrix}$$

answer101

$$\begin{bmatrix} 66 & 6 & -26 & -14 \\ -52 & -91 & 82 & 97 \\ -105 & -99 & 110 & 116 \\ -18 & 82 & -42 & -78 \end{bmatrix}$$

answer102

$$\begin{bmatrix} 72 & -59 & 69 & 37 \\ -88 & 8 & -91 & 28 \\ -43 & -6 & -13 & 38 \\ -88 & -78 & -49 & 152 \end{bmatrix}$$

answer103

$$\begin{bmatrix} 8 & -59 & 4 & -2 \\ 8 & -75 & -32 & -4 \\ -9 & -76 & -48 & 38 \\ 60 & -42 & -8 & -100 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 20 & 35 & -35 & 6 \\ -67 & -64 & 54 & -45 \\ 82 & 35 & -82 & 9 \\ 56 & -7 & 73 & 90 \end{bmatrix}$$

answer105

$$\begin{bmatrix} -2 & -118 & -34 & 133 \\ -108 & 14 & 36 & -23 \\ -140 & 14 & -34 & -100 \\ -53 & -22 & -10 & 4 \end{bmatrix}$$

answer106

$$\begin{bmatrix} -47 & -30 & -31 & -10 \\ -33 & 31 & -94 & -54 \\ 93 & 64 & 80 & 66 \\ 50 & 107 & -25 & 76 \end{bmatrix}$$

answer107

$$\begin{bmatrix} -17 & -3 & 1 & 67 \\ -90 & -58 & 11 & 72 \\ 87 & 31 & -18 & -17 \\ -79 & -6 & 16 & 159 \end{bmatrix}$$

answer108

$$\begin{bmatrix} -10 & 7 & 20 & 149 \\ 74 & 23 & 70 & -78 \\ -27 & 59 & -10 & 111 \\ 46 & -103 & 58 & 32 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -63 & -65 & -50 & -57 \\ 133 & -13 & 110 & -35 \\ 1 & -75 & 35 & -9 \\ 65 & 62 & 182 & 89 \end{bmatrix}$$

answer110

$$\begin{bmatrix} 101 & -74 & -34 & 7 \\ 17 & -11 & -96 & 31 \\ -145 & 93 & -57 & 134 \\ -128 & 79 & 49 & -8 \end{bmatrix}$$

answer111

$$\begin{bmatrix} -81 & -2 & 125 & 1 \\ 21 & 63 & 38 & 45 \\ 16 & -89 & -155 & -58 \\ 81 & 0 & -69 & -29 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -112 & -64 & -30 & -56 \\ -34 & -21 & 25 & -27 \\ 15 & 46 & 8 & -117 \\ -41 & -37 & -192 & 48 \end{bmatrix}$$

answer113

$$\begin{bmatrix} -47 & 88 & -114 & 168 \\ 91 & 19 & -99 & 72 \\ 20 & 49 & -63 & 124 \\ -106 & -195 & 37 & -150 \end{bmatrix}$$

answer114

$$\begin{bmatrix} -20 & -29 & -20 & -31 \\ 60 & 23 & 43 & -42 \\ 62 & -27 & -3 & 10 \\ 22 & 15 & 31 & -84 \end{bmatrix}$$

answer115

$$\begin{bmatrix} -8 & 21 & 1 & 19 \\ -21 & -24 & -35 & -48 \\ -100 & -4 & -32 & 4 \\ 76 & -21 & 5 & -29 \end{bmatrix}$$

answer116

$$\begin{bmatrix} -114 & -19 & 88 & 1 \\ -16 & 30 & 26 & 2 \\ 50 & -8 & 96 & -59 \\ -62 & 77 & -8 & -49 \end{bmatrix}$$

answer117

$$\begin{bmatrix} 8 & 23 & -105 & -9 \\ 93 & -20 & 51 & 164 \\ -20 & 73 & -74 & -12 \\ 48 & 41 & 34 & 148 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -42 & 21 & -51 & 66 \\ -29 & 10 & -94 & -26 \\ -46 & 55 & -40 & 16 \\ 77 & 89 & 105 & -58 \end{bmatrix}$$

answer119

$$\begin{bmatrix} 18 & -51 & -62 & -74 \\ 91 & -12 & 2 & -36 \\ 19 & -91 & -27 & -17 \\ 53 & 109 & 73 & -9 \end{bmatrix}$$

answer120

$$\begin{bmatrix} 45 & -38 & 50 & -86 \\ -42 & 62 & -109 & 16 \\ 82 & -48 & 73 & 115 \\ 57 & -55 & 115 & -16 \end{bmatrix}$$

answer121

$$\begin{bmatrix} 42 & 32 & 40 & -72 \\ 25 & 35 & -17 & 37 \\ 44 & 30 & 120 & -68 \\ 23 & 38 & -14 & 43 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 42 & -9 & 48 & 27 \\ -87 & -3 & -91 & -75 \\ 8 & 58 & 53 & 61 \\ 26 & 37 & 40 & 61 \end{bmatrix}$$

answer123

$$\begin{bmatrix} 80 & -26 & 64 & 56 \\ 62 & 9 & 34 & -60 \\ -42 & -49 & -18 & 88 \\ -79 & -12 & 13 & 39 \end{bmatrix}$$

answer124

$$\begin{bmatrix} 3 & 70 & -18 & 16 \\ 29 & -11 & 113 & -37 \\ 28 & -31 & 78 & -20 \\ -25 & -58 & -136 & 33 \end{bmatrix}$$

answer125

$$\begin{bmatrix} -1 & -34 & 59 & -54 \\ 26 & 18 & -1 & 4 \\ 93 & 59 & -75 & -34 \\ 153 & 123 & -103 & -22 \end{bmatrix}$$

answer126

$$\begin{bmatrix} -98 & -15 & 30 & 94 \\ 8 & -56 & 101 & 25 \\ 90 & 36 & 20 & -51 \\ -90 & -50 & -26 & 95 \end{bmatrix}$$

answer127

$$\begin{bmatrix} 4 & 2 & 13 & -17 \\ -33 & -35 & -20 & 19 \\ 24 & -4 & 5 & 17 \\ 26 & -41 & 47 & -73 \end{bmatrix}$$

answer128

$$\begin{bmatrix} 27 & -146 & -14 & 22 \\ -85 & -106 & -87 & -11 \\ 38 & -57 & -1 & 48 \\ 55 & 41 & 18 & -105 \end{bmatrix}$$

answer129

$$\begin{bmatrix} 20 & -110 & 104 & 54 \\ -46 & 95 & -34 & 57 \\ 123 & 71 & -40 & 42 \\ 205 & -5 & 20 & 40 \end{bmatrix}$$

answer130

$$\begin{bmatrix} 70 & -23 & 84 & 5 \\ -43 & 62 & -2 & 57 \\ -29 & 28 & -46 & 45 \\ 15 & -3 & -102 & 96 \end{bmatrix}$$

answer131

$$\begin{bmatrix} 43 & -3 & -36 & -59 \\ -97 & 51 & 45 & -14 \\ -2 & 33 & -12 & -14 \\ 34 & 0 & -30 & -104 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 73 & 67 & 10 & -213 \\ 75 & 35 & 35 & 35 \\ -59 & 7 & 80 & 95 \\ -94 & 6 & 2 & -26 \end{bmatrix}$$

answer133

$$\begin{bmatrix} 51 & -111 & -141 & -64 \\ 22 & -109 & -48 & 36 \\ 73 & -104 & -57 & -37 \\ -8 & -62 & -108 & -28 \end{bmatrix}$$

answer134

$$\begin{bmatrix} 36 & 51 & -20 & 33 \\ 129 & -75 & -98 & 69 \\ -127 & 44 & 41 & 12 \\ 63 & 16 & 41 & 78 \end{bmatrix}$$

answer135

$$\begin{bmatrix} -124 & 19 & -58 & 85 \\ -123 & 102 & 60 & 35 \\ 74 & -7 & 30 & -23 \\ -71 & 16 & -14 & 13 \end{bmatrix}$$

answer136

$$\begin{bmatrix} -45 & -7 & 59 & 19 \\ 52 & 12 & 49 & 44 \\ -29 & -37 & 9 & 34 \\ 91 & 23 & 117 & 92 \end{bmatrix}$$

answer137

$$\begin{bmatrix} -26 & -8 & -30 & -45 \\ 6 & 48 & 44 & 63 \\ -64 & 71 & 12 & -108 \\ 71 & -52 & 36 & -57 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 4 & -38 & 50 & -40 \\ -20 & 20 & -83 & -8 \\ 26 & 33 & -100 & 55 \\ 23 & -72 & -74 & 8 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 98 & 89 & -45 & 105 \\ 65 & -55 & -5 & 31 \\ -18 & -47 & -22 & -5 \\ -78 & -10 & 46 & -82 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 95 & -61 & -6 & -9 \\ 66 & -72 & 136 & 98 \\ 99 & -53 & 30 & -30 \\ 42 & -20 & -84 & -18 \end{bmatrix}$$

answer141

$$\begin{bmatrix} 36 & -64 & -2 & 2 \\ 39 & 81 & 225 & 5 \\ 120 & -12 & 108 & 79 \\ 27 & 23 & -11 & 104 \end{bmatrix}$$

answer142

$$\begin{bmatrix} 78 & 30 & 129 & 96 \\ -52 & -11 & 97 & 74 \\ 28 & -16 & -70 & -53 \\ -52 & -28 & -24 & -67 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 50 & 33 & -133 & 30 \\ -40 & -112 & 22 & 63 \\ -58 & -4 & -10 & 32 \\ -24 & 13 & 115 & -29 \end{bmatrix}$$

answer144

$$\begin{bmatrix} 26 & 14 & -24 & 73 \\ 46 & 172 & -76 & -68 \\ -62 & -92 & 82 & -4 \\ 63 & 171 & -81 & -18 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -60 & -42 & -8 & 53 \\ 8 & -87 & 13 & -86 \\ 42 & 174 & -28 & 136 \\ -9 & -26 & 25 & -27 \end{bmatrix}$$

answer146

$$\begin{bmatrix} 8 & -24 & 76 & 12 \\ -18 & 81 & -139 & -57 \\ 27 & -80 & 125 & 51 \\ -2 & 3 & 61 & 14 \end{bmatrix}$$

answer147

$$\begin{bmatrix} -4 & -13 & 10 & -1 \\ -39 & 24 & -2 & -25 \\ -136 & 58 & -50 & -54 \\ -10 & -69 & -95 & 87 \end{bmatrix}$$

answer148

$$\begin{bmatrix} -69 & -15 & -37 & 29 \\ 4 & 67 & 50 & -47 \\ 17 & 76 & 53 & -23 \\ -24 & 65 & 127 & -47 \end{bmatrix}$$

answer149

$$\begin{bmatrix} -17 & -66 & 55 & 96 \\ -34 & 29 & 13 & 15 \\ -14 & -51 & 49 & 49 \\ 33 & -33 & -20 & 13 \end{bmatrix}$$

answer150

$$\begin{bmatrix} -60 & 21 & 133 & 47 \\ -84 & 2 & 102 & 19 \\ -125 & -34 & 108 & -13 \\ 50 & 21 & -53 & 11 \end{bmatrix}$$

2 Matrix Inverse

answer1

$$\begin{bmatrix} -0.200000 & 0.320000 \\ 0.000000 & 0.200000 \end{bmatrix}$$

answer2

$$\begin{bmatrix} 0.285714 & 0.428571 \\ -0.500000 & -0.500000 \end{bmatrix}$$

answer3

$$\begin{bmatrix} -0.285714 & 0.238095 \\ -0.142857 & -0.047619 \end{bmatrix}$$

answer4

$$\begin{bmatrix} 1.000000 & 0.857143 \\ 1.000000 & 0.714286 \end{bmatrix}$$

answer5

$$\begin{bmatrix} 0.022727 & 0.159091 \\ 0.136364 & -0.045455 \end{bmatrix}$$

answer6

$$\begin{bmatrix} -0.125000 & -0.250000 \\ 0.083333 & -0.166667 \end{bmatrix}$$

answer7

$$\begin{bmatrix} 0.307692 & 0.384615 \\ -0.192308 & -0.115385 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 0.052632 & 0.263158 \\ -0.210526 & -0.052632 \end{bmatrix}$$

answer9

$$\begin{bmatrix} -0.000000 & -0.250000 \\ -1.000000 & 0.500000 \end{bmatrix}$$

answer10

$$\begin{bmatrix} -0.192308 & -0.230769 \\ -0.038462 & 0.153846 \end{bmatrix}$$

answer11

$$\begin{bmatrix} -0.230769 & -0.128205 \\ 0.076923 & 0.153846 \end{bmatrix}$$

answer12

$$\begin{bmatrix} 0.100000 & -0.500000 \\ -0.100000 & -0.500000 \end{bmatrix}$$

answer13	$\begin{bmatrix} 0.428571 & 0.285714 \\ 0.333333 & 0.333333 \end{bmatrix}$
answer14	$\begin{bmatrix} -0.500000 & 0.357143 \\ 0.000000 & 0.142857 \end{bmatrix}$
answer15	$\begin{bmatrix} -1.333333 & -1.000000 \\ -1.666667 & -1.000000 \end{bmatrix}$
answer16	$\begin{bmatrix} -0.157895 & 0.368421 \\ -0.210526 & 0.157895 \end{bmatrix}$
answer17	$\begin{bmatrix} -2.333333 & 1.666667 \\ 0.666667 & -0.333333 \end{bmatrix}$
answer18	$\begin{bmatrix} 0.083333 & -0.083333 \\ -0.075000 & -0.025000 \end{bmatrix}$
answer19	$\begin{bmatrix} -0.100000 & -0.100000 \\ 0.166667 & 0.000000 \end{bmatrix}$
answer20	$\begin{bmatrix} -0.045455 & 0.318182 \\ -0.136364 & -0.045455 \end{bmatrix}$
answer21	$\begin{bmatrix} 0.500000 & -0.250000 \\ -0.750000 & 0.125000 \end{bmatrix}$
answer22	$\begin{bmatrix} -0.033333 & 0.300000 \\ 0.133333 & -0.200000 \end{bmatrix}$
answer23	$\begin{bmatrix} -0.111111 & -0.111111 \\ 0.129630 & -0.037037 \end{bmatrix}$
answer24	$\begin{bmatrix} 0.119048 & 0.190476 \\ -0.214286 & -0.142857 \end{bmatrix}$
answer25	$\begin{bmatrix} 0.500000 & 0.250000 \\ 1.000000 & 0.000000 \end{bmatrix}$
answer26	$\begin{bmatrix} -0.333333 & 0.333333 \\ 0.666667 & -0.166667 \end{bmatrix}$

answer27	$\begin{bmatrix} -0.272727 & -0.151515 \\ -0.181818 & -0.212121 \end{bmatrix}$
answer28	$\begin{bmatrix} -0.333333 & 0.333333 \\ 0.583333 & -0.333333 \end{bmatrix}$
answer29	$\begin{bmatrix} 0.250000 & 0.166667 \\ -0.750000 & -0.166667 \end{bmatrix}$
answer30	$\begin{bmatrix} -0.116279 & 0.046512 \\ -0.209302 & -0.116279 \end{bmatrix}$
answer31	$\begin{bmatrix} 0.086207 & -0.051724 \\ -0.103448 & -0.137931 \end{bmatrix}$
answer32	$\begin{bmatrix} -0.051852 & -0.059259 \\ -0.066667 & 0.066667 \end{bmatrix}$
answer33	$\begin{bmatrix} -0.625000 & -0.125000 \\ -1.000000 & -0.000000 \end{bmatrix}$
answer34	$\begin{bmatrix} -0.041667 & 0.125000 \\ -0.208333 & -0.375000 \end{bmatrix}$
answer35	$\begin{bmatrix} 0.059322 & -0.084746 \\ -0.076271 & -0.033898 \end{bmatrix}$
answer36	$\begin{bmatrix} -0.200000 & -0.133333 \\ -0.200000 & 0.033333 \end{bmatrix}$
answer37	$\begin{bmatrix} 0.166667 & -0.250000 \\ -0.500000 & 0.250000 \end{bmatrix}$
answer38	$\begin{bmatrix} -0.100000 & 0.037500 \\ 0.000000 & 0.125000 \end{bmatrix}$
answer39	$\begin{bmatrix} 0.200000 & 0.400000 \\ 0.200000 & 0.066667 \end{bmatrix}$
answer40	$\begin{bmatrix} 0.058824 & -0.176471 \\ -0.176471 & -0.470588 \end{bmatrix}$

answer41

$$\begin{bmatrix} -0.142857 & -0.000000 \\ 0.053571 & 0.125000 \end{bmatrix}$$

answer42

$$\begin{bmatrix} 0.142857 & -0.257143 \\ -0.142857 & 0.057143 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 0.107143 & -0.178571 \\ -0.142857 & 0.071429 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -0.111111 & 0.111111 \\ 0.111111 & 0.088889 \end{bmatrix}$$

answer45

$$\begin{bmatrix} -0.000000 & -0.500000 \\ -0.333333 & 0.833333 \end{bmatrix}$$

answer46

$$\begin{bmatrix} 0.692308 & 0.384615 \\ 0.615385 & 0.230769 \end{bmatrix}$$

answer47

$$\begin{bmatrix} -0.125000 & -0.140625 \\ 0.000000 & 0.125000 \end{bmatrix}$$

answer48

$$\begin{bmatrix} -1.500000 & -1.000000 \\ -0.833333 & -0.666667 \end{bmatrix}$$

answer49

$$\begin{bmatrix} -0.090909 & 0.181818 \\ -0.818182 & 0.636364 \end{bmatrix}$$

answer50

$$\begin{bmatrix} -4.000000 & -3.000000 \\ -0.500000 & -0.500000 \end{bmatrix}$$

answer51

$$\begin{bmatrix} 0.114286 & 0.057143 & -0.042857 \\ 0.066667 & 0.116667 & 0.058333 \\ -0.019048 & 0.073810 & -0.034524 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 0.172638 & -0.156352 & -0.029316 \\ -0.133550 & -0.048860 & -0.071661 \\ -0.123779 & 0.149837 & 0.153094 \end{bmatrix}$$

answer53

$$\begin{bmatrix} 3.000000 & -1.000000 & -3.000000 \\ -11.750000 & 4.250000 & 12.000000 \\ -27.250000 & 9.750000 & 28.000000 \end{bmatrix}$$

answer54	$\begin{bmatrix} -0.276000 & 0.072000 & 0.128000 \\ 0.512000 & -0.264000 & -0.136000 \\ 0.416000 & -0.152000 & -0.048000 \end{bmatrix}$
answer55	$\begin{bmatrix} 0.026316 & -0.098086 & -0.033493 \\ 0.105263 & 0.016746 & -0.043062 \\ 0.078947 & 0.023923 & 0.081340 \end{bmatrix}$
answer56	$\begin{bmatrix} -0.035573 & 0.055336 & -0.098814 \\ 0.051383 & 0.142292 & 0.031621 \\ -0.083004 & -0.037549 & 0.102767 \end{bmatrix}$
answer57	$\begin{bmatrix} -0.083333 & -0.000000 & -0.066667 \\ 0.312500 & -0.250000 & -0.200000 \\ 0.145833 & -0.250000 & -0.133333 \end{bmatrix}$
answer58	$\begin{bmatrix} 0.036765 & 0.147059 & 0.227941 \\ -0.242647 & 0.029412 & 0.095588 \\ -0.007353 & -0.029412 & 0.154412 \end{bmatrix}$
answer59	$\begin{bmatrix} -0.092308 & -0.169231 & 0.361538 \\ 0.123077 & -0.107692 & 0.184615 \\ -0.107692 & -0.030769 & -0.161538 \end{bmatrix}$
answer60	$\begin{bmatrix} 0.073260 & -0.049451 & -0.009158 \\ 0.009158 & -0.068681 & 0.061355 \\ -0.135531 & 0.016484 & -0.108059 \end{bmatrix}$
answer61	$\begin{bmatrix} 0.122581 & 0.148387 & -0.103226 \\ -0.458065 & -0.238710 & 0.122581 \\ -0.238710 & -0.025806 & 0.148387 \end{bmatrix}$
answer62	$\begin{bmatrix} -0.200000 & -0.200000 & 0.300000 \\ 0.047059 & -0.129412 & -0.041176 \\ 0.117647 & 0.176471 & -0.352941 \end{bmatrix}$
answer63	$\begin{bmatrix} -0.135266 & 0.217391 & 0.193237 \\ -0.130435 & 0.173913 & 0.043478 \\ -0.101449 & -0.086957 & 0.144928 \end{bmatrix}$
answer64	$\begin{bmatrix} 0.132231 & -0.196281 & -0.105372 \\ -0.173554 & 0.210744 & 0.028926 \\ -0.181818 & 0.113636 & 0.113636 \end{bmatrix}$

answer65	$\begin{bmatrix} -0.042831 & 0.156425 & 0.124767 \\ -0.035382 & -0.044693 & 0.059590 \\ -0.154562 & 0.173184 & 0.102421 \end{bmatrix}$
answer66	$\begin{bmatrix} -0.157895 & -0.394737 & -0.254386 \\ 0.157895 & 0.894737 & 0.754386 \\ 0.105263 & 0.263158 & 0.280702 \end{bmatrix}$
answer67	$\begin{bmatrix} -0.103448 & -0.172414 & 0.241379 \\ -0.034483 & 0.175862 & -0.186207 \\ 0.034483 & 0.124138 & -0.013793 \end{bmatrix}$
answer68	$\begin{bmatrix} 0.428571 & 0.000000 & -0.142857 \\ -0.553571 & 0.125000 & 0.017857 \\ -0.285714 & -0.000000 & -0.071429 \end{bmatrix}$
answer69	$\begin{bmatrix} 0.019481 & 0.558442 & -0.194805 \\ 0.097403 & -0.207792 & 0.025974 \\ -0.103896 & -0.311688 & 0.038961 \end{bmatrix}$
answer70	$\begin{bmatrix} 0.064935 & -0.071429 & 0.025974 \\ 0.149351 & 0.035714 & -0.240260 \\ -0.142857 & -0.142857 & 0.142857 \end{bmatrix}$
answer71	$\begin{bmatrix} -0.363636 & 0.028409 & -0.164773 \\ 0.090909 & -0.147727 & 0.056818 \\ -0.272727 & 0.005682 & -0.232955 \end{bmatrix}$
answer72	$\begin{bmatrix} 0.033654 & -0.146635 & -0.028846 \\ -0.134615 & 0.086538 & 0.115385 \\ -0.043269 & 0.045673 & -0.105769 \end{bmatrix}$
answer73	$\begin{bmatrix} 0.066667 & -0.053333 & 0.013333 \\ 0.097778 & 0.028444 & 0.059556 \\ -0.026667 & -0.098667 & 0.074667 \end{bmatrix}$
answer74	$\begin{bmatrix} 0.023121 & -0.090559 & 0.059730 \\ 0.075145 & -0.044316 & -0.055877 \\ -0.063584 & -0.167630 & -0.080925 \end{bmatrix}$
answer75	$\begin{bmatrix} -0.052805 & -0.112211 & 0.207921 \\ -0.075908 & -0.036304 & -0.138614 \\ -0.049505 & 0.019802 & 0.257426 \end{bmatrix}$

answer76	$\begin{bmatrix} -0.144144 & 0.081081 & -0.090090 \\ -0.189189 & -0.081081 & -0.243243 \\ 0.441441 & 0.189189 & 0.900901 \end{bmatrix}$
answer77	$\begin{bmatrix} -0.331551 & -0.122995 & -0.320856 \\ 0.358289 & 0.278075 & 0.508021 \\ -0.171123 & -0.192513 & -0.197861 \end{bmatrix}$
answer78	$\begin{bmatrix} 0.127907 & -0.007752 & -0.031008 \\ 0.139535 & 0.127907 & 0.011628 \\ -0.116279 & -0.023256 & -0.093023 \end{bmatrix}$
answer79	$\begin{bmatrix} -0.014634 & -0.078049 & -0.029268 \\ -0.048780 & 0.073171 & -0.097561 \\ 0.082927 & 0.025610 & -0.084146 \end{bmatrix}$
answer80	$\begin{bmatrix} 0.243478 & -0.060870 & -0.043478 \\ -0.173913 & 0.043478 & 0.173913 \\ -0.317391 & 0.204348 & 0.217391 \end{bmatrix}$
answer81	$\begin{bmatrix} -0.333333 & -1.166667 & -0.500000 \\ -0.666667 & -2.666667 & -1.000000 \\ -0.666667 & -2.250000 & -0.750000 \end{bmatrix}$
answer82	$\begin{bmatrix} 0.069767 & -0.162791 & 0.116279 \\ 0.238372 & 0.110465 & -0.186047 \\ 0.127907 & 0.034884 & 0.046512 \end{bmatrix}$
answer83	$\begin{bmatrix} -0.978947 & -0.673684 & 0.726316 \\ 0.578947 & 0.473684 & -0.526316 \\ 0.242105 & 0.252632 & -0.147368 \end{bmatrix}$
answer84	$\begin{bmatrix} 0.250000 & 0.000000 & -0.250000 \\ 0.237500 & -0.250000 & -0.037500 \\ -0.018750 & 0.125000 & -0.181250 \end{bmatrix}$
answer85	$\begin{bmatrix} 1.000000 & -1.416667 & 0.916667 \\ -0.000000 & 0.166667 & -0.166667 \\ -0.500000 & 0.833333 & -0.333333 \end{bmatrix}$
answer86	$\begin{bmatrix} -0.070234 & -0.073579 & 0.030100 \\ -0.083612 & 0.150502 & -0.107023 \\ -0.066890 & 0.120401 & -0.185619 \end{bmatrix}$

answer87

$$\begin{bmatrix} 0.170732 & -0.024390 & -0.121951 \\ 0.512195 & 0.260163 & -0.032520 \\ -0.463415 & -0.219512 & -0.097561 \end{bmatrix}$$

answer88

$$\begin{bmatrix} -0.011152 & -0.267658 & 0.416357 \\ 0.048327 & 0.159851 & -0.137546 \\ 0.089219 & 0.141264 & -0.330855 \end{bmatrix}$$

answer89

$$\begin{bmatrix} 0.076087 & -0.086957 & 0.032609 \\ -0.097826 & -0.173913 & -0.184783 \\ 0.021739 & 0.010870 & 0.152174 \end{bmatrix}$$

answer90

$$\begin{bmatrix} 0.056338 & 0.140845 & 0.173709 \\ -0.049296 & 0.126761 & 0.056338 \\ -0.084507 & -0.211268 & -0.093897 \end{bmatrix}$$

answer91

$$\begin{bmatrix} 1.000000 & 0.000000 & -0.000000 \\ 1.250000 & 0.125000 & -0.000000 \\ 1.291667 & 0.062500 & 0.166667 \end{bmatrix}$$

answer92

$$\begin{bmatrix} -0.645455 & 0.518182 & 0.727273 \\ 0.018182 & -0.127273 & -0.090909 \\ 0.800000 & -0.600000 & -1.000000 \end{bmatrix}$$

answer93

$$\begin{bmatrix} -0.100000 & 0.050000 & -0.050000 \\ -0.050000 & 0.150000 & 0.100000 \\ -0.094444 & 0.005556 & 0.022222 \end{bmatrix}$$

answer94

$$\begin{bmatrix} -0.292419 & 0.158845 & -0.155235 \\ -0.451264 & 0.306859 & -0.140794 \\ -0.046931 & 0.111913 & -0.086643 \end{bmatrix}$$

answer95

$$\begin{bmatrix} 0.078652 & -0.033708 & -0.101124 \\ -0.016854 & -0.171348 & -0.014045 \\ 0.117978 & 0.199438 & 0.098315 \end{bmatrix}$$

answer96

$$\begin{bmatrix} -0.156863 & 0.019608 & 0.235294 \\ -0.921569 & 0.490196 & 0.882353 \\ 1.274510 & -0.784314 & -1.411765 \end{bmatrix}$$

answer97

$$\begin{bmatrix} 0.018957 & -0.071090 & -0.068720 \\ -0.165877 & -0.127962 & -0.023697 \\ 0.104265 & 0.109005 & -0.127962 \end{bmatrix}$$

answer98

$$\begin{bmatrix} -0.818182 & 0.545455 & -0.181818 \\ -1.242424 & 0.939394 & -0.424242 \\ -0.121212 & -0.030303 & -0.212121 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 0.173432 & -0.081181 & 0.107011 \\ 0.007380 & -0.088561 & 0.025830 \\ 0.123616 & 0.016605 & 0.182657 \end{bmatrix}$$

answer100

$$\begin{bmatrix} -0.072202 & 0.126354 & 0.263538 \\ -0.014440 & 0.025271 & 0.252708 \\ -0.083032 & -0.104693 & -0.046931 \end{bmatrix}$$

answer101

$$\begin{bmatrix} 0.280000 & -0.040000 & -0.056000 & -0.208000 \\ 0.400000 & -0.137500 & -0.055000 & -0.115000 \\ -0.240000 & 0.070000 & -0.052000 & 0.164000 \\ -0.480000 & 0.015000 & 0.046000 & 0.278000 \end{bmatrix}$$

answer102

$$\begin{bmatrix} 0.047005 & -0.062527 & 0.069305 & -0.005247 \\ -0.033450 & -0.150853 & 0.062309 & 0.036292 \\ -0.057062 & -0.198513 & -0.070179 & -0.114561 \\ -0.098382 & -0.031920 & -0.052033 & -0.128553 \end{bmatrix}$$

answer103

$$\begin{bmatrix} 0.097426 & 0.094397 & -0.105502 & 0.029278 \\ -0.144876 & -0.021201 & 0.141343 & 0.137809 \\ -0.083291 & 0.054013 & 0.116103 & 0.006058 \\ -0.194346 & -0.040636 & 0.104240 & 0.014134 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 0.113988 & -0.100760 & 0.067408 & 0.038840 \\ -0.084999 & 0.107233 & -0.067549 & -0.147481 \\ 0.000563 & -0.106670 & -0.019420 & 0.007599 \\ 0.159302 & -0.187729 & 0.004081 & 0.150577 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 0.025197 & 0.100262 & 0.051444 & -0.018898 \\ 0.045144 & 0.193526 & 0.064392 & 0.132808 \\ 0.032021 & 0.176028 & -0.031846 & 0.059318 \\ -0.133858 & -0.178478 & 0.018373 & -0.149606 \end{bmatrix}$$

answer106

$$\begin{bmatrix} -0.354497 & -0.370370 & -0.037037 & -0.042328 \\ -0.137566 & 0.259259 & -0.074074 & 0.058201 \\ -0.433862 & -0.259259 & 0.074074 & -0.201058 \\ 0.116402 & 0.203704 & -0.129630 & 0.066138 \end{bmatrix}$$

answer107

$$\begin{bmatrix} 0.019355 & -0.083871 & 0.090323 & -0.019355 \\ -0.085887 & -0.080948 & 0.083569 & 0.007762 \\ 0.074597 & 0.025706 & 0.009577 & 0.066028 \\ -0.028226 & 0.111895 & -0.017137 & -0.065524 \end{bmatrix}$$

answer108

$$\begin{bmatrix} 0.104517 & 0.037422 & -0.070063 & -0.055885 \\ -0.055720 & 0.096769 & -0.022585 & 0.036103 \\ -0.008572 & -0.023574 & -0.118859 & 0.044016 \\ -0.097923 & -0.019288 & 0.084570 & -0.054896 \end{bmatrix}$$

answer109

$$\begin{bmatrix} 0.036072 & -0.076653 & 0.045090 & 0.009519 \\ -0.274549 & -0.041583 & -0.093186 & 0.246994 \\ -0.344689 & -0.017535 & 0.069138 & 0.381263 \\ -0.302605 & 0.018036 & -0.128257 & 0.350701 \end{bmatrix}$$

answer110

$$\begin{bmatrix} -0.021004 & 0.078216 & -0.080216 & 0.043209 \\ -0.058812 & 0.019004 & -0.024605 & -0.079016 \\ 0.088018 & 0.148430 & -0.044809 & -0.038208 \\ -0.078016 & 0.004801 & 0.130626 & -0.125225 \end{bmatrix}$$

answer111

$$\begin{bmatrix} -0.237552 & 0.048755 & -0.271784 & 0.116183 \\ -0.168050 & -0.033195 & -0.080913 & -0.068465 \\ -0.173237 & 0.092324 & -0.259336 & 0.049793 \\ 0.088174 & -0.133817 & 0.033195 & -0.010373 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -0.065210 & 0.085099 & 0.053472 & 0.044017 \\ 0.053146 & 0.075644 & -0.063580 & 0.039126 \\ -0.117705 & -0.161396 & 0.036518 & 0.054451 \\ 0.098957 & 0.073362 & 0.028856 & 0.020704 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 0.133333 & -0.162963 & -0.229630 & -0.259259 \\ -0.306667 & 0.330370 & 0.183704 & 0.307407 \\ -0.306667 & 0.441481 & 0.294815 & 0.529630 \\ -0.146667 & 0.090370 & 0.063704 & 0.207407 \end{bmatrix}$$

answer114

$$\begin{bmatrix} 0.106137 & -0.033073 & -0.062752 & -0.014588 \\ -0.019618 & 0.038104 & -0.022762 & 0.054829 \\ -0.121227 & 0.081615 & -0.012450 & -0.097082 \\ 0.005030 & 0.067153 & 0.108400 & 0.037223 \end{bmatrix}$$

answer115

$$\begin{bmatrix} 0.032437 & -0.091649 & -0.026053 & 0.023376 \\ -0.123262 & 0.126043 & -0.078777 & 0.066728 \\ 0.020389 & -0.121100 & 0.075687 & -0.083719 \\ -0.008341 & 0.039440 & -0.066317 & -0.031408 \end{bmatrix}$$

answer116

$$\begin{bmatrix} 0.123044 & -0.014185 & 0.002775 & -0.002544 \\ -0.022666 & 0.032688 & 0.037083 & 0.049341 \\ 0.049649 & -0.078406 & -0.006399 & 0.089199 \\ -0.035078 & 0.016575 & -0.068460 & 0.062755 \end{bmatrix}$$

answer117

$$\begin{bmatrix} -0.117043 & -0.017659 & 0.146612 & -0.185216 \\ 0.219713 & 0.215606 & -0.022587 & 0.098563 \\ -0.271047 & -0.114579 & 0.160575 & -0.155236 \\ 0.004107 & -0.080082 & 0.036961 & 0.020534 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -0.128687 & 0.026387 & 0.032612 & -0.241001 \\ -0.063599 & -0.031123 & 0.048714 & 0.017591 \\ 0.000947 & 0.034506 & -0.049662 & 0.084844 \\ 0.071854 & -0.096752 & -0.052909 & 0.150338 \end{bmatrix}$$

answer119

$$\begin{bmatrix} -0.495910 & 0.686094 & -0.429448 & -0.594070 \\ 0.080777 & -0.074642 & 0.018405 & 0.142127 \\ 0.085890 & -0.092025 & -0.018405 & 0.024540 \\ -0.793456 & 0.897751 & -0.687117 & -0.750511 \end{bmatrix}$$

answer120

$$\begin{bmatrix} -0.185714 & -0.233143 & 0.055429 & 0.082286 \\ -0.071429 & -0.194286 & -0.037143 & 0.068571 \\ 0.114286 & -0.081143 & -0.012571 & 0.146286 \\ -0.014286 & 0.105143 & -0.103429 & 0.021714 \end{bmatrix}$$

answer121

$$\begin{bmatrix} -0.007610 & -0.019248 & -0.055058 & 0.079230 \\ -0.059087 & 0.262310 & -0.133393 & -0.149508 \\ -0.057296 & -0.321397 & 0.173679 & 0.067144 \\ 0.165622 & 0.007162 & -0.095792 & 0.040286 \end{bmatrix}$$

answer122

$$\begin{bmatrix} -0.205438 & 0.036254 & 0.039275 & 0.033233 \\ 0.283988 & -0.135677 & -0.131832 & -0.048613 \\ 0.084592 & 0.011810 & -0.085691 & 0.018402 \\ -0.123867 & 0.128811 & -0.004394 & -0.101620 \end{bmatrix}$$

answer123

$$\begin{bmatrix} 0.370968 & -2.500000 & 2.516129 & 0.258065 \\ -0.822581 & 3.500000 & -3.709677 & -0.354839 \\ -0.766129 & 3.750000 & -3.935484 & -0.467742 \\ -0.741935 & 4.000000 & -4.032258 & -0.516129 \end{bmatrix}$$

answer124

$$\begin{bmatrix} -0.112795 & -0.175168 & 0.260565 & 0.016613 \\ -0.148062 & -0.170504 & 0.140484 & 0.076071 \\ -0.088312 & -0.013116 & 0.087730 & 0.082775 \\ -0.119207 & -0.265229 & 0.329642 & 0.118333 \end{bmatrix}$$

answer125

$$\begin{bmatrix} -0.057618 & 0.180538 & -0.107554 & 0.087068 \\ -0.056338 & 0.309859 & 0.028169 & -0.070423 \\ 0.121639 & 0.285531 & -0.106274 & 0.038412 \\ 0.129321 & 0.061460 & -0.291933 & 0.093470 \end{bmatrix}$$

answer126

$$\begin{bmatrix} 0.015460 & -0.047153 & -0.162587 & -0.122649 \\ 0.005926 & 0.131925 & 0.154342 & 0.086318 \\ -0.135274 & 0.162587 & 0.172636 & 0.073177 \\ -0.104097 & 0.117495 & 0.028086 & 0.092502 \end{bmatrix}$$

answer127

$$\begin{bmatrix} 0.107872 & 0.052478 & -0.002915 & 0.093294 \\ 0.029155 & 0.194363 & 0.026239 & 0.160350 \\ -0.043732 & -0.624879 & -0.539359 & -0.740525 \\ 0.002915 & -0.313897 & -0.297376 & -0.483965 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -0.157459 & 0.411602 & 0.118785 & -0.359116 \\ 0.058011 & -0.256906 & -0.201657 & 0.237569 \\ -0.535912 & 0.944751 & 0.386740 & -1.099448 \\ 0.122928 & -0.330110 & -0.189227 & 0.455801 \end{bmatrix}$$

answer129

$$\begin{bmatrix} 0.047042 & -0.050349 & 0.053289 & 0.023888 \\ -0.008453 & -0.108140 & 0.045112 & -0.074605 \\ -0.027196 & 0.075983 & 0.047317 & 0.064315 \\ -0.064315 & 0.014149 & -0.080669 & 0.084528 \end{bmatrix}$$

answer130

$$\begin{bmatrix} -0.057255 & 0.018396 & 0.100041 & -0.122778 \\ -0.019016 & -0.145515 & -0.150889 & 0.139727 \\ 0.002274 & -0.004341 & -0.079785 & -0.038446 \\ 0.078131 & 0.032658 & 0.076478 & -0.139314 \end{bmatrix}$$

answer131

$$\begin{bmatrix} -0.627144 & 0.176589 & 0.586781 & -0.282038 \\ -0.309788 & 0.041372 & 0.243189 & -0.040363 \\ -0.234107 & 0.102926 & 0.239152 & -0.027245 \\ 0.679112 & -0.220989 & -0.542886 & 0.264379 \end{bmatrix}$$

answer132

$$\begin{bmatrix} -0.572072 & -0.252252 & -0.270270 & 0.094595 \\ 1.355856 & 0.495495 & 0.459459 & -0.310811 \\ 1.003378 & 0.324324 & 0.418919 & -0.246622 \\ -0.390766 & -0.180180 & -0.121622 & 0.192568 \end{bmatrix}$$

answer133

$$\begin{bmatrix} -0.086207 & -0.000000 & -0.120690 & 0.034483 \\ 0.735632 & -0.666667 & 0.896552 & 0.172414 \\ -0.856322 & 0.666667 & -0.965517 & -0.224138 \\ -0.699234 & 0.555556 & -0.701149 & -0.109195 \end{bmatrix}$$

answer134

$$\begin{bmatrix} -1.033149 & -1.331492 & 0.254144 & -1.220994 \\ 0.574586 & 0.745856 & -0.071823 & 0.497238 \\ 0.475138 & 0.751381 & -0.309392 & 0.834254 \\ 0.088398 & -0.116022 & -0.011050 & -0.077348 \end{bmatrix}$$

answer135

$$\begin{bmatrix} 0.078009 & -0.030461 & 0.029718 & 0.069094 \\ -0.019465 & 0.005696 & 0.049728 & 0.045617 \\ -0.024220 & -0.081971 & 0.066964 & -0.004309 \\ 0.018871 & 0.025012 & 0.035760 & -0.051857 \end{bmatrix}$$

answer136

$$\begin{bmatrix} -0.105413 & -0.022792 & -0.096866 & -0.213675 \\ 0.062678 & 0.027066 & -0.009972 & -0.183761 \\ 0.034188 & -0.053419 & -0.164530 & -0.032051 \\ 0.048433 & 0.111823 & 0.037749 & 0.267094 \end{bmatrix}$$

answer137

$$\begin{bmatrix} 0.008595 & 0.057851 & -0.031736 & -0.023471 \\ -0.034711 & -0.041322 & 0.051240 & -0.097521 \\ 0.031074 & 0.132231 & 0.116033 & -0.007934 \\ 0.168430 & 0.152893 & 0.070413 & 0.020826 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 30.000000 & -41.000000 & -9.000000 & -73.000000 \\ 16.000000 & -21.000000 & -4.000000 & -39.000000 \\ 30.000000 & -40.000000 & -8.000000 & -73.000000 \\ -3.000000 & 4.000000 & 1.000000 & 7.000000 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 0.133987 & 0.032680 & 0.058824 & 0.084967 \\ -0.012745 & -0.037255 & 0.052941 & 0.043137 \\ 0.170261 & -0.053595 & 0.023529 & 0.000654 \\ -0.030065 & -0.036601 & -0.105882 & 0.024837 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 0.933333 & 1.133333 & 0.266667 & -0.422222 \\ 0.608333 & 0.783333 & 0.191667 & -0.397222 \\ -0.312500 & -0.375000 & -0.187500 & 0.062500 \\ 0.029167 & -0.058333 & 0.070833 & -0.023611 \end{bmatrix}$$

answer141

$$\begin{bmatrix} 0.079417 & 0.144787 & 0.019449 & 0.027553 \\ -0.074554 & -0.129119 & -0.181524 & 0.076175 \\ 0.092382 & -0.035656 & -0.079417 & -0.029173 \\ 0.009724 & -0.301999 & -0.324149 & 0.207455 \end{bmatrix}$$

answer142

$$\begin{bmatrix} -0.081472 & -0.007884 & 0.085414 & 0.042050 \\ 0.101183 & 0.042050 & -0.122208 & 0.109067 \\ -0.239159 & -0.281209 & 0.379763 & -0.166886 \\ 0.259198 & 0.299277 & -0.533837 & 0.237188 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 0.129853 & -0.011602 & -0.062918 & 0.134761 \\ 0.189424 & -0.090808 & 0.026774 & 0.208612 \\ -0.293173 & 0.022758 & 0.008032 & -0.187416 \\ -0.008032 & -0.026774 & -0.068273 & -0.073628 \end{bmatrix}$$

answer144

$$\begin{bmatrix} 1.286325 & -1.487179 & 0.179487 & -0.594017 \\ -1.940171 & 2.256410 & -0.410256 & 0.786325 \\ 1.337607 & -1.410256 & 0.256410 & -0.491453 \\ 0.085470 & -0.205128 & 0.128205 & -0.162393 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -0.012987 & 0.506494 & -0.103896 & 0.025974 \\ -0.173160 & -0.246753 & -0.051948 & 0.012987 \\ 0.164502 & -0.415584 & 0.149351 & -0.162338 \\ 0.073593 & 0.129870 & -0.077922 & 0.019481 \end{bmatrix}$$

answer146

$$\begin{bmatrix} 0.217587 & 0.027911 & 0.027311 & -0.141657 \\ -0.133553 & -0.044718 & 0.031513 & -0.009604 \\ 0.048019 & -0.152461 & 0.033613 & -0.086435 \\ -0.069328 & -0.086134 & -0.073529 & -0.025210 \end{bmatrix}$$

answer147

$$\begin{bmatrix} 0.111281 & -0.040272 & -0.013197 & -0.111026 \\ 0.038314 & -0.061303 & 0.030651 & 0.019157 \\ 0.031162 & -0.036526 & -0.081737 & 0.015581 \\ -0.043423 & -0.063857 & 0.031928 & -0.021711 \end{bmatrix}$$

answer148

$$\begin{bmatrix} 0.126582 & 1.708861 & -1.962025 & -0.050633 \\ 0.164557 & 2.721519 & -3.050633 & -0.265823 \\ 0.059072 & -0.869198 & 1.084388 & 0.109705 \\ 0.063291 & 0.354430 & -0.481013 & -0.025316 \end{bmatrix}$$

answer149

$$\begin{bmatrix} -0.276214 & 0.056311 & 0.262621 & 0.026214 \\ -0.135922 & 0.106796 & 0.213592 & 0.135922 \\ -0.083495 & -0.005825 & 0.188350 & 0.083495 \\ -0.029126 & -0.048544 & -0.097087 & 0.029126 \end{bmatrix}$$

answer150

$$\begin{bmatrix} -0.231085 & -0.077713 & 0.044868 & -0.167155 \\ 0.029326 & 0.073314 & -0.023460 & -0.049853 \\ 0.222287 & 0.055718 & 0.062170 & 0.082111 \\ 0.271554 & 0.178886 & 0.062757 & 0.158358 \end{bmatrix}$$

3 Matrix Determinant

answer1

15

answer2

23

answer3

4

answer4

11

answer5

121

answer6

13

answer7

0

answer8	14
answer9	-38
answer10	-11
answer11	-6
answer12	68
answer13	58
answer14	23
answer15	0
answer16	19
answer17	44
answer18	32
answer19	76
answer20	-27
answer21	-9
answer22	52
answer23	72
answer24	21
answer25	94
	30

answer26	65
answer27	-3
answer28	-57
answer29	79
answer30	32
answer31	14
answer32	-27
answer33	-21
answer34	-105
answer35	36
answer36	0
answer37	-6
answer38	20
answer39	54
answer40	-12
answer41	-57
answer42	-6
answer43	23
	31

answer44	36
answer45	-49
answer46	-15
answer47	-71
answer48	-10
answer49	17
answer50	-59
answer51	576
answer52	31
answer53	-659
answer54	-287
answer55	-310
answer56	250
answer57	412
answer58	550
answer59	52
answer60	44
answer61	-23

answer62	−572
answer63	−24
answer64	768
answer65	738
answer66	296
answer67	201
answer68	−965
answer69	83
answer70	−100
answer71	180
answer72	399
answer73	−201
answer74	−69
answer75	−210
answer76	−753
answer77	111
answer78	−80
answer79	−194

answer80	85
answer81	−319
answer82	−585
answer83	−129
answer84	275
answer85	−563
answer86	59
answer87	248
answer88	358
answer89	184
answer90	−286
answer91	−201
answer92	523
answer93	382
answer94	−555
answer95	−1272
answer96	−346
answer97	−143

answer98	65
answer99	723
answer100	−121
answer101	−464
answer102	−6053
answer103	−23
answer104	5328
answer105	−2315
answer106	−3446
answer107	−2350
answer108	4066
answer109	−8550
answer110	−600
answer111	−4935
answer112	−1169
answer113	−2652
answer114	3432
answer115	2226

answer116	585
answer117	1912
answer118	5404
answer119	5
answer120	−5595
answer121	−11211
answer122	2488
answer123	−156
answer124	4928
answer125	−99
answer126	1440
answer127	−6990
answer128	578
answer129	−197
answer130	3011
answer131	−651
answer132	−1839
answer133	1876

answer134	−544
answer135	−241
answer136	1970
answer137	9789
answer138	−12337
answer139	1116
answer140	−597
answer141	−2349
answer142	1130
answer143	862
answer144	12608
answer145	1824
answer146	6550
answer147	−5144
answer148	6959
answer149	1284
answer150	1663