

Matrix Practice Answer

CBDT

September 9, 2024

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1 Matrix Multiplication

answer1	$\begin{bmatrix} -30 & 24 \\ 102 & -118 \end{bmatrix}$
answer2	$\begin{bmatrix} 10 & 40 \\ 4 & -25 \end{bmatrix}$
answer3	$\begin{bmatrix} 0 & 0 \\ -47 & -36 \end{bmatrix}$
answer4	$\begin{bmatrix} -30 & -44 \\ 33 & -20 \end{bmatrix}$
answer5	$\begin{bmatrix} 92 & 103 \\ -22 & -26 \end{bmatrix}$
answer6	$\begin{bmatrix} 4 & 29 \\ -16 & 31 \end{bmatrix}$
answer7	$\begin{bmatrix} 5 & 0 \\ 40 & 56 \end{bmatrix}$
answer8	$\begin{bmatrix} -20 & -38 \\ -15 & -21 \end{bmatrix}$

answer9

$$\begin{bmatrix} 71 & 19 \\ 18 & -3 \end{bmatrix}$$

answer10

$$\begin{bmatrix} -12 & 27 \\ 53 & -51 \end{bmatrix}$$

answer11

$$\begin{bmatrix} 22 & 33 \\ 36 & -30 \end{bmatrix}$$

answer12

$$\begin{bmatrix} 82 & 126 \\ 54 & 90 \end{bmatrix}$$

answer13

$$\begin{bmatrix} 88 & 104 \\ 8 & 24 \end{bmatrix}$$

answer14

$$\begin{bmatrix} 26 & 68 \\ 4 & 82 \end{bmatrix}$$

answer15

$$\begin{bmatrix} -21 & -14 \\ 54 & -4 \end{bmatrix}$$

answer16

$$\begin{bmatrix} 55 & 162 \\ 8 & 35 \end{bmatrix}$$

answer17

$$\begin{bmatrix} -60 & -26 \\ -109 & -2 \end{bmatrix}$$

answer18

$$\begin{bmatrix} -21 & -120 \\ -15 & 32 \end{bmatrix}$$

answer19

$$\begin{bmatrix} -117 & 27 \\ 19 & 59 \end{bmatrix}$$

answer20

$$\begin{bmatrix} -54 & 7 \\ -68 & -3 \end{bmatrix}$$

answer21

$$\begin{bmatrix} 18 & 9 \\ 7 & 8 \end{bmatrix}$$

answer22

$$\begin{bmatrix} 116 & -10 \\ 32 & 75 \end{bmatrix}$$

answer23

$$\begin{bmatrix} 24 & 24 \\ 13 & -5 \end{bmatrix}$$

answer24

$$\begin{bmatrix} 40 & -72 \\ 24 & -28 \end{bmatrix}$$

answer25

$$\begin{bmatrix} -3 & 9 \\ -71 & 53 \end{bmatrix}$$

answer26

$$\begin{bmatrix} -69 & -10 \\ 75 & -8 \end{bmatrix}$$

answer27

$$\begin{bmatrix} 47 & -34 \\ 11 & -34 \end{bmatrix}$$

answer28

$$\begin{bmatrix} 16 & 152 \\ -58 & 13 \end{bmatrix}$$

answer29

$$\begin{bmatrix} 20 & -45 \\ 48 & -56 \end{bmatrix}$$

answer30

$$\begin{bmatrix} -32 & -12 \\ -84 & 84 \end{bmatrix}$$

answer31

$$\begin{bmatrix} -31 & -27 \\ -26 & -66 \end{bmatrix}$$

answer32

$$\begin{bmatrix} 6 & 15 \\ -29 & 10 \end{bmatrix}$$

answer33

$$\begin{bmatrix} -16 & -18 \\ -41 & -42 \end{bmatrix}$$

answer34

$$\begin{bmatrix} -30 & -56 \\ 90 & 53 \end{bmatrix}$$

answer35

$$\begin{bmatrix} -19 & -47 \\ 2 & -2 \end{bmatrix}$$

answer36

$$\begin{bmatrix} 57 & -33 \\ 137 & -43 \end{bmatrix}$$

answer37

$$\begin{bmatrix} 8 & -30 \\ 88 & 54 \end{bmatrix}$$

answer38

$$\begin{bmatrix} 60 & 60 \\ -11 & -18 \end{bmatrix}$$

answer39

$$\begin{bmatrix} 92 & 96 \\ -66 & -92 \end{bmatrix}$$

answer40

$$\begin{bmatrix} -29 & 26 \\ 23 & -21 \end{bmatrix}$$

answer41

$$\begin{bmatrix} 98 & 40 \\ -11 & -66 \end{bmatrix}$$

answer42

$$\begin{bmatrix} -85 & 26 \\ -85 & 26 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 28 & -10 \\ -19 & -48 \end{bmatrix}$$

answer44

$$\begin{bmatrix} -14 & 98 \\ 20 & 80 \end{bmatrix}$$

answer45

$$\begin{bmatrix} 2 & 36 \\ -20 & 36 \end{bmatrix}$$

answer46

$$\begin{bmatrix} 22 & -65 \\ 48 & -35 \end{bmatrix}$$

answer47

$$\begin{bmatrix} 16 & -82 \\ -31 & 18 \end{bmatrix}$$

answer48

$$\begin{bmatrix} 52 & -62 \\ -16 & 14 \end{bmatrix}$$

answer49

$$\begin{bmatrix} 19 & -19 \\ 8 & 2 \end{bmatrix}$$

answer50

$$\begin{bmatrix} 37 & -2 \\ 67 & 50 \end{bmatrix}$$

answer51

$$\begin{bmatrix} -49 & 89 & -42 \\ -4 & -29 & 3 \\ 31 & 30 & 3 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 53 & 25 & 26 \\ -68 & 34 & -24 \\ -2 & 12 & -12 \end{bmatrix}$$

answer53

$$\begin{bmatrix} 38 & -29 & 110 \\ 56 & -180 & 28 \\ -38 & -39 & -48 \end{bmatrix}$$

answer54

$$\begin{bmatrix} 31 & 22 & -31 \\ -29 & -10 & -3 \\ 51 & -10 & -73 \end{bmatrix}$$

answer55

$$\begin{bmatrix} -44 & -98 & -72 \\ 34 & -93 & 27 \\ -52 & -102 & -71 \end{bmatrix}$$

answer56

$$\begin{bmatrix} -122 & -35 & -10 \\ -31 & 78 & -35 \\ -76 & -56 & 10 \end{bmatrix}$$

answer57

$$\begin{bmatrix} 42 & -15 & -42 \\ -28 & -60 & 132 \\ 44 & 10 & -40 \end{bmatrix}$$

answer58

$$\begin{bmatrix} 21 & 44 & 53 \\ 48 & -61 & -37 \\ 69 & 2 & 45 \end{bmatrix}$$

answer59

$$\begin{bmatrix} -58 & -1 & -24 \\ 7 & -3 & 21 \\ -7 & 69 & -49 \end{bmatrix}$$

answer60

$$\begin{bmatrix} -29 & -30 & -1 \\ 71 & 8 & -6 \\ 29 & -10 & 59 \end{bmatrix}$$

answer61

$$\begin{bmatrix} -54 & 22 & 29 \\ -58 & 72 & 8 \\ 16 & 72 & -38 \end{bmatrix}$$

answer62

$$\begin{bmatrix} -34 & -74 & -18 \\ -28 & 126 & 55 \\ -71 & -79 & 8 \end{bmatrix}$$

answer63

$$\begin{bmatrix} -111 & 29 & -78 \\ 94 & -22 & 52 \\ 136 & -33 & 79 \end{bmatrix}$$

answer64

$$\begin{bmatrix} -83 & -44 & -27 \\ -24 & -43 & 51 \\ -85 & -14 & -51 \end{bmatrix}$$

answer65

$$\begin{bmatrix} -33 & -9 & -3 \\ 93 & 189 & -126 \\ -33 & -9 & -7 \end{bmatrix}$$

answer66

$$\begin{bmatrix} 32 & 4 & 24 \\ -48 & -132 & 66 \\ 72 & 39 & 6 \end{bmatrix}$$

answer67

$$\begin{bmatrix} 8 & -17 & 14 \\ 61 & -20 & 9 \\ 87 & -4 & 19 \end{bmatrix}$$

answer68

$$\begin{bmatrix} 22 & 9 & 102 \\ 59 & 90 & 47 \\ -60 & -93 & -52 \end{bmatrix}$$

answer69

$$\begin{bmatrix} -37 & -50 & 30 \\ 123 & 158 & -74 \\ -60 & -28 & -28 \end{bmatrix}$$

answer70

$$\begin{bmatrix} 15 & -33 & 48 \\ 26 & 79 & 15 \\ 33 & 74 & 43 \end{bmatrix}$$

answer71

$$\begin{bmatrix} -16 & 74 & -74 \\ 28 & 31 & 113 \\ -27 & -127 & 49 \end{bmatrix}$$

answer72

$$\begin{bmatrix} -102 & -44 & -33 \\ 13 & 126 & 92 \\ 73 & 46 & 32 \end{bmatrix}$$

answer73

$$\begin{bmatrix} -83 & -15 & 64 \\ -49 & -5 & 30 \\ -9 & 27 & -12 \end{bmatrix}$$

answer74

$$\begin{bmatrix} 12 & 6 & -25 \\ -82 & -62 & 53 \\ -6 & -28 & -22 \end{bmatrix}$$

answer75

$$\begin{bmatrix} -99 & 75 & 51 \\ 63 & -33 & -32 \\ -14 & 53 & 1 \end{bmatrix}$$

answer76

$$\begin{bmatrix} 72 & 9 & 55 \\ 48 & 5 & 69 \\ -69 & -8 & -161 \end{bmatrix}$$

answer77

$$\begin{bmatrix} 77 & -35 & -13 \\ 67 & 17 & -15 \\ -20 & 8 & -1 \end{bmatrix}$$

answer78

$$\begin{bmatrix} 48 & 74 & 35 \\ -45 & -75 & -66 \\ 78 & 144 & 141 \end{bmatrix}$$

answer79

$$\begin{bmatrix} 74 & 78 & 82 \\ -67 & -71 & -5 \\ 6 & -80 & 11 \end{bmatrix}$$

answer80

$$\begin{bmatrix} 152 & -1 & -51 \\ 106 & -30 & -136 \\ 7 & -50 & -69 \end{bmatrix}$$

answer81

$$\begin{bmatrix} 92 & 34 & -2 \\ -33 & 39 & 18 \\ -73 & 27 & 10 \end{bmatrix}$$

answer82

$$\begin{bmatrix} 8 & 18 & 1 \\ -47 & -45 & -34 \\ -44 & -26 & -45 \end{bmatrix}$$

answer83

$$\begin{bmatrix} 46 & 88 & 66 \\ -2 & 48 & -85 \\ -23 & 30 & -75 \end{bmatrix}$$

answer84

$$\begin{bmatrix} -18 & -96 & 52 \\ 29 & -128 & 110 \\ -26 & 30 & 8 \end{bmatrix}$$

answer85

$$\begin{bmatrix} 38 & -60 & 36 \\ -39 & 53 & 43 \\ 9 & -83 & -60 \end{bmatrix}$$

answer86

$$\begin{bmatrix} 38 & 18 & 36 \\ -25 & 12 & -21 \\ -57 & -90 & 72 \end{bmatrix}$$

answer87

$$\begin{bmatrix} -78 & -6 & 24 \\ 12 & -3 & -16 \\ -94 & -19 & -34 \end{bmatrix}$$

answer88

$$\begin{bmatrix} -53 & -16 & 24 \\ 68 & -49 & -66 \\ -3 & 44 & 36 \end{bmatrix}$$

answer89

$$\begin{bmatrix} 17 & -40 & 63 \\ -41 & -17 & -63 \\ 3 & 53 & -28 \end{bmatrix}$$

answer90

$$\begin{bmatrix} 5 & -6 & 11 \\ 14 & -2 & 31 \\ 14 & -102 & -109 \end{bmatrix}$$

answer91

$$\begin{bmatrix} -12 & -5 & 86 \\ 30 & -18 & -72 \\ -33 & -7 & 11 \end{bmatrix}$$

answer92

$$\begin{bmatrix} -53 & -16 & 115 \\ 0 & 41 & 13 \\ -76 & -26 & 174 \end{bmatrix}$$

answer93

$$\begin{bmatrix} 6 & 112 & -71 \\ -35 & -5 & 16 \\ -62 & -4 & -51 \end{bmatrix}$$

answer94

$$\begin{bmatrix} -42 & -32 & 31 \\ 22 & 67 & -13 \\ -48 & -13 & 26 \end{bmatrix}$$

answer95

$$\begin{bmatrix} 1 & -46 & 8 \\ 28 & -31 & 20 \\ -26 & 3 & -54 \end{bmatrix}$$

answer96

$$\begin{bmatrix} 38 & 168 & -150 \\ -54 & -134 & 90 \\ -48 & -94 & 72 \end{bmatrix}$$

answer97

$$\begin{bmatrix} 125 & -84 & -109 \\ -47 & 60 & -16 \\ -15 & 30 & 57 \end{bmatrix}$$

answer98

$$\begin{bmatrix} 62 & 52 & -23 \\ -110 & -84 & 48 \\ -62 & -37 & 22 \end{bmatrix}$$

answer99

$$\begin{bmatrix} -9 & 10 & 27 \\ -88 & -59 & -32 \\ -24 & -87 & -56 \end{bmatrix}$$

answer100

$$\begin{bmatrix} 30 & -38 & -24 \\ -42 & -108 & -90 \\ 42 & 118 & 96 \end{bmatrix}$$

answer101

$$\begin{bmatrix} -59 & -65 & -42 & 82 \\ -23 & -26 & 8 & -15 \\ 70 & 66 & 34 & -58 \\ 21 & -29 & 38 & -31 \end{bmatrix}$$

answer102

$$\begin{bmatrix} -43 & 36 & -19 & -42 \\ 29 & 115 & 91 & -54 \\ -64 & -57 & -81 & -30 \\ 69 & 5 & 115 & 5 \end{bmatrix}$$

answer103

$$\begin{bmatrix} -36 & 15 & -105 & -96 \\ -121 & 28 & 64 & 66 \\ -135 & 15 & 41 & 31 \\ 71 & 3 & -69 & -55 \end{bmatrix}$$

answer104

$$\begin{bmatrix} -12 & 38 & -36 & -120 \\ -40 & 22 & 32 & -13 \\ -56 & -26 & 54 & 26 \\ 40 & 79 & -37 & 129 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 8 & 41 & 49 & -40 \\ 18 & 14 & -13 & 134 \\ -27 & 5 & -14 & 110 \\ -52 & -8 & -4 & -20 \end{bmatrix}$$

answer106

$$\begin{bmatrix} -50 & -38 & -51 & 89 \\ 59 & -56 & -14 & 25 \\ -32 & -11 & 101 & -127 \\ 32 & -47 & -52 & 76 \end{bmatrix}$$

answer107

$$\begin{bmatrix} 7 & -54 & 45 & -41 \\ -59 & -6 & 86 & 72 \\ 26 & -73 & 14 & 21 \\ -46 & 4 & 2 & 74 \end{bmatrix}$$

answer108

$$\begin{bmatrix} 14 & 33 & 91 & 77 \\ -2 & -22 & -20 & -42 \\ 33 & -20 & 71 & 87 \\ -18 & -82 & -26 & 17 \end{bmatrix}$$

answer109

$$\begin{bmatrix} -25 & -57 & 7 & 171 \\ 8 & 23 & -4 & -13 \\ -4 & -40 & 0 & 76 \\ -51 & -62 & -13 & 92 \end{bmatrix}$$

answer110

$$\begin{bmatrix} -27 & -44 & 126 & -76 \\ 80 & -58 & 14 & -96 \\ -13 & 71 & -16 & 69 \\ -27 & -10 & 57 & -11 \end{bmatrix}$$

answer111

$$\begin{bmatrix} 75 & -84 & 53 & -24 \\ -76 & 34 & 56 & 46 \\ 76 & -54 & 19 & -59 \\ 66 & -37 & -34 & 12 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -102 & -45 & 1 & -71 \\ -100 & -11 & -23 & -31 \\ -16 & 77 & 39 & 44 \\ 85 & -28 & 21 & 50 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 50 & -18 & 87 & -56 \\ 39 & -33 & 64 & -80 \\ 6 & -8 & 10 & -10 \\ 67 & -43 & 98 & -143 \end{bmatrix}$$

answer114

$$\begin{bmatrix} -4 & -61 & 32 & 22 \\ -6 & 117 & -67 & -86 \\ -60 & 4 & -26 & -151 \\ -52 & 3 & -16 & -161 \end{bmatrix}$$

answer115

$$\begin{bmatrix} 3 & -17 & -18 & 84 \\ 23 & 103 & 61 & -88 \\ 46 & -66 & -38 & 152 \\ 30 & 48 & 38 & 21 \end{bmatrix}$$

answer116

$$\begin{bmatrix} -137 & 99 & -31 & -22 \\ 204 & -68 & 37 & 29 \\ 69 & -186 & 61 & 71 \\ 181 & -72 & 26 & 35 \end{bmatrix}$$

answer117

$$\begin{bmatrix} -34 & 6 & -16 & 28 \\ -173 & -87 & 38 & 40 \\ 8 & -39 & -55 & 31 \\ 126 & 82 & -21 & -49 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -103 & 1 & 13 & -32 \\ 95 & -5 & -37 & 3 \\ -53 & 114 & -98 & -24 \\ -120 & 46 & -103 & -89 \end{bmatrix}$$

answer119

$$\begin{bmatrix} -47 & 123 & 57 & -8 \\ -36 & 48 & 21 & 21 \\ 3 & -43 & -19 & 86 \\ 33 & 31 & 100 & -53 \end{bmatrix}$$

answer120

$$\begin{bmatrix} 24 & 15 & 19 & -77 \\ 53 & -25 & -25 & -25 \\ -2 & -24 & -4 & -101 \\ -61 & 61 & 90 & -70 \end{bmatrix}$$

answer121

$$\begin{bmatrix} 97 & -43 & -27 & -109 \\ -95 & -39 & 101 & 91 \\ 43 & -37 & -46 & -31 \\ 27 & 103 & -69 & -9 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 24 & 16 & 38 & -6 \\ -55 & 148 & 65 & -148 \\ 8 & -1 & 55 & 26 \\ 38 & -74 & -90 & 47 \end{bmatrix}$$

answer123

$$\begin{bmatrix} -67 & 65 & -58 & -57 \\ 86 & -7 & 33 & 68 \\ -74 & -13 & 4 & -14 \\ 63 & -21 & 50 & 17 \end{bmatrix}$$

answer124

$$\begin{bmatrix} 27 & -22 & 24 & 26 \\ -149 & 134 & 110 & 61 \\ 40 & -57 & -158 & 15 \\ -31 & 23 & 144 & -54 \end{bmatrix}$$

answer125

$$\begin{bmatrix} 68 & 4 & -43 & 150 \\ 62 & -36 & 30 & 58 \\ 0 & 104 & -20 & -104 \\ 40 & -18 & -15 & 41 \end{bmatrix}$$

answer126

$$\begin{bmatrix} -134 & 31 & -175 & -25 \\ 32 & -31 & -19 & -62 \\ 88 & 12 & 102 & 1 \\ -24 & 14 & 12 & 48 \end{bmatrix}$$

answer127

$$\begin{bmatrix} 31 & -42 & 24 & 58 \\ 19 & -35 & 42 & 97 \\ 30 & 12 & -43 & -92 \\ -2 & -53 & -9 & -47 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -66 & -18 & 44 & -122 \\ 38 & -6 & 74 & 0 \\ -71 & -34 & 3 & 29 \\ 54 & 46 & -104 & 2 \end{bmatrix}$$

answer129

$$\begin{bmatrix} -28 & 3 & 48 & 33 \\ -68 & 67 & -53 & -12 \\ 82 & -89 & 6 & 8 \\ 126 & -47 & -56 & -66 \end{bmatrix}$$

answer130

$$\begin{bmatrix} 208 & 55 & 26 & 53 \\ 109 & 20 & -24 & 102 \\ -70 & 52 & 50 & -72 \\ 91 & 93 & 34 & 115 \end{bmatrix}$$

answer131

$$\begin{bmatrix} 16 & -78 & 25 & -15 \\ 74 & 16 & -142 & -30 \\ -110 & -44 & 81 & 93 \\ -60 & 146 & -49 & 18 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 15 & -21 & 51 & 7 \\ -16 & 74 & 71 & -9 \\ -17 & 22 & -86 & 42 \\ -7 & 30 & 32 & -10 \end{bmatrix}$$

answer133

$$\begin{bmatrix} 76 & -24 & 51 & -94 \\ -18 & -118 & -25 & 25 \\ 84 & -127 & 56 & 13 \\ 30 & 71 & 24 & -46 \end{bmatrix}$$

answer134

$$\begin{bmatrix} -42 & -85 & -12 & 40 \\ 36 & 16 & -12 & 38 \\ 3 & 22 & 94 & -46 \\ 108 & 58 & -63 & 4 \end{bmatrix}$$

answer135

$$\begin{bmatrix} -83 & 108 & -13 & -39 \\ -55 & -52 & -97 & 37 \\ -110 & 77 & 33 & -114 \\ 67 & -18 & -1 & 115 \end{bmatrix}$$

answer136

$$\begin{bmatrix} 37 & 48 & -60 & -34 \\ 174 & 29 & 12 & 104 \\ 115 & 66 & 72 & 94 \\ 36 & -87 & -23 & -31 \end{bmatrix}$$

answer137

$$\begin{bmatrix} 38 & -36 & 86 & 5 \\ 32 & -32 & 50 & -11 \\ -64 & 14 & 49 & 61 \\ 114 & 40 & 62 & -39 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 62 & 12 & 89 & 77 \\ -92 & 46 & -42 & -52 \\ 30 & -76 & 73 & -142 \\ -78 & 53 & -42 & -10 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 105 & 49 & -121 & -39 \\ -12 & 29 & -148 & 40 \\ -41 & -22 & 12 & -40 \\ -57 & -53 & 56 & -56 \end{bmatrix}$$

answer140

$$\begin{bmatrix} 31 & -20 & -47 & -52 \\ -54 & -21 & 34 & -10 \\ 115 & -32 & 27 & 46 \\ 117 & -126 & -14 & 12 \end{bmatrix}$$

answer141

$$\begin{bmatrix} -105 & 129 & -162 & 110 \\ 31 & 5 & -2 & 78 \\ -134 & 108 & -174 & -2 \\ -17 & 89 & -62 & 114 \end{bmatrix}$$

answer142

$$\begin{bmatrix} 63 & 4 & -85 & -21 \\ 22 & 83 & -76 & 41 \\ 26 & -16 & -104 & -12 \\ -51 & -50 & 9 & -13 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 91 & 57 & -69 & 24 \\ -60 & -20 & -8 & 15 \\ -202 & -20 & 151 & -15 \\ -60 & 51 & 58 & 8 \end{bmatrix}$$

answer144

$$\begin{bmatrix} -44 & -15 & -18 & -10 \\ -43 & -79 & -85 & -15 \\ 62 & -35 & 2 & 122 \\ -159 & 64 & 40 & -71 \end{bmatrix}$$

answer145

$$\begin{bmatrix} 10 & 49 & 187 & -56 \\ -80 & 95 & -63 & 52 \\ 0 & -1 & 101 & -22 \\ -72 & 36 & -63 & 30 \end{bmatrix}$$

answer146

$$\begin{bmatrix} -50 & 117 & 99 & 135 \\ -60 & -71 & -140 & -15 \\ 26 & 2 & 29 & -36 \\ -63 & -20 & -83 & 57 \end{bmatrix}$$

answer147

$$\begin{bmatrix} -9 & -45 & -89 & -91 \\ 53 & -5 & 75 & 105 \\ -3 & 56 & 25 & 116 \\ -38 & 70 & 32 & 100 \end{bmatrix}$$

answer148

$$\begin{bmatrix} 65 & 35 & -9 & 93 \\ -74 & -18 & -70 & 146 \\ -100 & -59 & -66 & -47 \\ -95 & -15 & -70 & -13 \end{bmatrix}$$

answer149

$$\begin{bmatrix} -12 & -39 & 93 & 30 \\ -28 & 27 & -25 & -4 \\ 33 & -93 & 189 & -71 \\ 20 & 1 & 51 & 6 \end{bmatrix}$$

answer150

$$\begin{bmatrix} -46 & -15 & 95 & -1 \\ -77 & -23 & 67 & 69 \\ 74 & -9 & -96 & -117 \\ 52 & 99 & -86 & -17 \end{bmatrix}$$

2 Matrix Inverse

answer1

$$\begin{bmatrix} -0.200000 & -0.200000 \\ -0.066667 & 0.044444 \end{bmatrix}$$

answer2

$$\begin{bmatrix} 1.000000 & 1.000000 \\ 1.000000 & 0.833333 \end{bmatrix}$$

answer3

$$\begin{bmatrix} 1.250000 & 1.125000 \\ 0.250000 & 0.125000 \end{bmatrix}$$

answer4

$$\begin{bmatrix} 0.208333 & -0.041667 \\ 0.166667 & 0.166667 \end{bmatrix}$$

answer5

$$\begin{bmatrix} 0.269231 & -0.307692 \\ 0.076923 & -0.230769 \end{bmatrix}$$

answer6

$$\begin{bmatrix} 0.083333 & 0.052083 \\ 0.083333 & -0.072917 \end{bmatrix}$$

answer7

$$\begin{bmatrix} -0.263158 & 0.473684 \\ -0.315789 & 0.368421 \end{bmatrix}$$

answer8

$$\begin{bmatrix} 0.083333 & -0.083333 \\ 0.066667 & 0.133333 \end{bmatrix}$$

answer9

$$\begin{bmatrix} -0.228571 & -0.085714 \\ -0.257143 & 0.028571 \end{bmatrix}$$

answer10

$$\begin{bmatrix} 0.333333 & -1.333333 \\ -0.333333 & 0.833333 \end{bmatrix}$$

answer11

$$\begin{bmatrix} 0.113208 & 0.094340 \\ -0.018868 & 0.150943 \end{bmatrix}$$

answer12

$$\begin{bmatrix} -0.277778 & -0.055556 \\ 0.166667 & -0.166667 \end{bmatrix}$$

answer13	$\begin{bmatrix} -0.200000 & -1.400000 \\ -0.000000 & -1.000000 \end{bmatrix}$
answer14	$\begin{bmatrix} -0.400000 & 0.500000 \\ -0.600000 & 0.500000 \end{bmatrix}$
answer15	$\begin{bmatrix} 0.333333 & -0.000000 \\ 2.000000 & 1.000000 \end{bmatrix}$
answer16	$\begin{bmatrix} 0.333333 & 0.416667 \\ -0.666667 & -0.583333 \end{bmatrix}$
answer17	$\begin{bmatrix} -0.428571 & 0.285714 \\ 0.142857 & -0.428571 \end{bmatrix}$
answer18	$\begin{bmatrix} -0.052632 & 0.210526 \\ 0.157895 & 0.368421 \end{bmatrix}$
answer19	$\begin{bmatrix} -0.125000 & -0.000000 \\ -0.104167 & 0.166667 \end{bmatrix}$
answer20	$\begin{bmatrix} 0.066667 & -0.200000 \\ -0.200000 & -0.400000 \end{bmatrix}$
answer21	$\begin{bmatrix} 0.111111 & 0.111111 \\ -0.041667 & 0.083333 \end{bmatrix}$
answer22	$\begin{bmatrix} -0.090909 & 0.054545 \\ -0.045455 & -0.072727 \end{bmatrix}$
answer23	$\begin{bmatrix} 0.075000 & -0.125000 \\ 0.200000 & 0.000000 \end{bmatrix}$
answer24	$\begin{bmatrix} -0.133333 & 0.200000 \\ -0.066667 & -0.066667 \end{bmatrix}$
answer25	$\begin{bmatrix} 0.051724 & 0.137931 \\ -0.086207 & 0.103448 \end{bmatrix}$
answer26	$\begin{bmatrix} 0.200000 & -0.200000 \\ 0.088889 & -0.200000 \end{bmatrix}$

answer27	$\begin{bmatrix} 0.062500 & 0.187500 \\ -0.156250 & 0.031250 \end{bmatrix}$
answer28	$\begin{bmatrix} -0.034483 & -0.086207 \\ -0.068966 & 0.077586 \end{bmatrix}$
answer29	$\begin{bmatrix} 1.000000 & 0.000000 \\ -0.000000 & -0.250000 \end{bmatrix}$
answer30	$\begin{bmatrix} -0.187500 & -0.125000 \\ 0.062500 & -0.125000 \end{bmatrix}$
answer31	$\begin{bmatrix} -2.500000 & -2.000000 \\ -1.000000 & -1.000000 \end{bmatrix}$
answer32	$\begin{bmatrix} 1.400000 & -1.000000 \\ 1.600000 & -1.000000 \end{bmatrix}$
answer33	$\begin{bmatrix} -0.428571 & 0.285714 \\ -0.571429 & 0.214286 \end{bmatrix}$
answer34	$\begin{bmatrix} 10.000000 & -3.000000 \\ -7.000000 & 2.000000 \end{bmatrix}$
answer35	$\begin{bmatrix} 0.134328 & -0.059701 \\ -0.149254 & -0.044776 \end{bmatrix}$
answer36	$\begin{bmatrix} 0.101124 & -0.089888 \\ -0.112360 & -0.011236 \end{bmatrix}$
answer37	$\begin{bmatrix} -0.063291 & -0.113924 \\ 0.075949 & -0.063291 \end{bmatrix}$
answer38	$\begin{bmatrix} -0.384615 & 0.153846 \\ 0.307692 & 0.076923 \end{bmatrix}$
answer39	$\begin{bmatrix} 0.082353 & -0.117647 \\ -0.058824 & -0.058824 \end{bmatrix}$
answer40	$\begin{bmatrix} -0.230769 & -0.076923 \\ 0.538462 & -0.153846 \end{bmatrix}$

answer41

$$\begin{bmatrix} 0.166667 & 0.000000 \\ 0.092593 & 0.111111 \end{bmatrix}$$

answer42

$$\begin{bmatrix} 0.291667 & -0.166667 \\ -0.041667 & 0.166667 \end{bmatrix}$$

answer43

$$\begin{bmatrix} 0.024390 & -0.219512 \\ -0.097561 & -0.121951 \end{bmatrix}$$

answer44

$$\begin{bmatrix} 0.269231 & -0.192308 \\ -0.230769 & 0.307692 \end{bmatrix}$$

answer45

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

answer46

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

answer47

$$\begin{bmatrix} 0.093750 & 0.062500 \\ -0.041667 & 0.083333 \end{bmatrix}$$

answer48

$$\begin{bmatrix} 0.000000 & 0.111111 \\ -0.166667 & -0.111111 \end{bmatrix}$$

answer49

$$\begin{bmatrix} 1.000000 & -0.500000 \\ 1.500000 & -1.000000 \end{bmatrix}$$

answer50

$$\begin{bmatrix} -0.241379 & -0.068966 \\ 0.103448 & 0.172414 \end{bmatrix}$$

answer51

$$\begin{bmatrix} -0.000000 & -1.000000 & -0.000000 \\ 0.000000 & 1.250000 & 0.250000 \\ -0.200000 & -0.450000 & -0.450000 \end{bmatrix}$$

answer52

$$\begin{bmatrix} 0.233333 & -0.400000 & 0.433333 \\ -0.300000 & -0.200000 & 0.300000 \\ 0.133333 & 0.200000 & -0.466667 \end{bmatrix}$$

answer53

$$\begin{bmatrix} -1.500000 & -1.500000 & 0.500000 \\ 0.023810 & -0.119048 & 0.023810 \\ 0.666667 & 0.666667 & -0.333333 \end{bmatrix}$$

answer54	$\begin{bmatrix} -0.037037 & 0.082305 & -0.057613 \\ -0.074074 & 0.053498 & 0.162551 \\ -0.074074 & -0.057613 & -0.059671 \end{bmatrix}$
answer55	$\begin{bmatrix} 0.500000 & -1.000000 & -0.400000 \\ 1.400000 & -3.200000 & -1.080000 \\ -1.200000 & 2.600000 & 0.840000 \end{bmatrix}$
answer56	$\begin{bmatrix} -0.260664 & 0.255924 & 0.037915 \\ 0.255924 & -0.142180 & 0.090047 \\ -0.042654 & 0.023697 & 0.151659 \end{bmatrix}$
answer57	$\begin{bmatrix} -0.470085 & 0.034188 & -0.162393 \\ 0.213675 & 0.029915 & -0.017094 \\ -0.111111 & -0.055556 & -0.111111 \end{bmatrix}$
answer58	$\begin{bmatrix} 0.306667 & -0.240000 & 0.053333 \\ -0.160000 & 0.060000 & -0.180000 \\ -0.066667 & -0.100000 & -0.033333 \end{bmatrix}$
answer59	$\begin{bmatrix} -0.364706 & -0.176471 & -0.329412 \\ -0.552941 & -0.235294 & -0.305882 \\ -0.764706 & -0.176471 & -0.529412 \end{bmatrix}$
answer60	$\begin{bmatrix} 0.112319 & 0.065217 & 0.043478 \\ 0.128623 & -0.054348 & 0.130435 \\ -0.074275 & -0.010870 & -0.173913 \end{bmatrix}$
answer61	$\begin{bmatrix} -0.080769 & -0.084615 & -0.053846 \\ 0.365385 & 0.192308 & 0.576923 \\ -0.092308 & 0.046154 & -0.061538 \end{bmatrix}$
answer62	$\begin{bmatrix} 0.266667 & -0.333333 & -0.555556 \\ 0.800000 & -1.000000 & -1.333333 \\ 0.066667 & -0.333333 & -0.222222 \end{bmatrix}$
answer63	$\begin{bmatrix} -0.395833 & 0.187500 & -0.250000 \\ 0.385417 & -0.156250 & 0.375000 \\ -0.083333 & 0.250000 & 0.000000 \end{bmatrix}$
answer64	$\begin{bmatrix} -0.105263 & -0.315789 & 0.052632 \\ -0.136842 & -0.210526 & -0.031579 \\ -0.315789 & 0.052632 & 0.157895 \end{bmatrix}$

answer65	$\begin{bmatrix} -0.062500 & 0.026786 & 0.080357 \\ -0.031250 & 0.156250 & -0.031250 \\ 0.052083 & 0.072917 & 0.052083 \end{bmatrix}$
answer66	$\begin{bmatrix} -0.375000 & 0.250000 & -0.250000 \\ 1.850000 & -1.300000 & 0.700000 \\ 2.175000 & -1.650000 & 0.850000 \end{bmatrix}$
answer67	$\begin{bmatrix} -0.070605 & -0.021614 & -0.036023 \\ 0.115274 & -0.025937 & -0.043228 \\ 0.036023 & -0.070605 & 0.048991 \end{bmatrix}$
answer68	$\begin{bmatrix} -0.187500 & 1.296875 & 0.421875 \\ 0.062500 & -0.765625 & -0.140625 \\ -0.312500 & 1.578125 & 0.453125 \end{bmatrix}$
answer69	$\begin{bmatrix} 0.100381 & -0.015248 & -0.048285 \\ -0.123253 & -0.069886 & -0.054638 \\ 0.002541 & -0.101652 & 0.011436 \end{bmatrix}$
answer70	$\begin{bmatrix} 0.005472 & 0.012312 & 0.145007 \\ -0.097127 & 0.031464 & -0.073871 \\ -0.043776 & -0.098495 & -0.160055 \end{bmatrix}$
answer71	$\begin{bmatrix} 0.060000 & -0.096000 & -0.076000 \\ -0.200000 & 0.120000 & -0.280000 \\ -0.120000 & -0.008000 & -0.048000 \end{bmatrix}$
answer72	$\begin{bmatrix} 0.142857 & 0.071429 & -0.000000 \\ 0.085714 & -0.107143 & -0.100000 \\ 0.242857 & 0.071429 & -0.200000 \end{bmatrix}$
answer73	$\begin{bmatrix} -0.130435 & 0.260870 & 0.173913 \\ 0.021739 & -0.043478 & -0.195652 \\ -0.168478 & 0.086957 & 0.266304 \end{bmatrix}$
answer74	$\begin{bmatrix} -2.130435 & -1.869565 & 1.521739 \\ -0.608696 & -0.391304 & 0.434783 \\ -2.086957 & -1.913043 & 1.347826 \end{bmatrix}$
answer75	$\begin{bmatrix} -0.091892 & 0.102703 & -0.032432 \\ 0.076757 & -0.121081 & -0.067027 \\ -0.101622 & 0.019459 & 0.046486 \end{bmatrix}$

answer76	$\begin{bmatrix} 0.656566 & 1.121212 & -0.434343 \\ -0.373737 & -0.515152 & 0.262626 \\ 0.666667 & 1.000000 & -0.333333 \end{bmatrix}$
answer77	$\begin{bmatrix} 0.104167 & 0.000000 & 0.145833 \\ 0.604167 & 1.000000 & 1.645833 \\ 0.520833 & 1.000000 & 1.729167 \end{bmatrix}$
answer78	$\begin{bmatrix} 1.129032 & 0.741935 & 0.225806 \\ 0.473118 & 0.387097 & 0.161290 \\ 0.150538 & 0.032258 & 0.096774 \end{bmatrix}$
answer79	$\begin{bmatrix} 0.050360 & 0.033916 & 0.081192 \\ 0.071942 & 0.068859 & -0.047276 \\ 0.093525 & -0.039054 & -0.032888 \end{bmatrix}$
answer80	$\begin{bmatrix} 0.177852 & -0.046980 & 0.208054 \\ -0.204698 & -0.040268 & -0.107383 \\ 0.120805 & -0.107383 & 0.046980 \end{bmatrix}$
answer81	$\begin{bmatrix} -0.333333 & -1.019608 & -1.215686 \\ 0.000000 & -0.117647 & -0.294118 \\ 0.333333 & 0.607843 & 0.686275 \end{bmatrix}$
answer82	$\begin{bmatrix} 0.875000 & 0.208333 & -0.083333 \\ -0.062500 & 0.104167 & -0.041667 \\ -0.625000 & -0.291667 & -0.083333 \end{bmatrix}$
answer83	$\begin{bmatrix} 0.366460 & -0.229814 & -0.142857 \\ -0.173913 & -0.043478 & -0.000000 \\ -0.062112 & 0.055901 & 0.142857 \end{bmatrix}$
answer84	$\begin{bmatrix} -0.034884 & 0.558140 & 0.465116 \\ -0.081395 & -0.697674 & -0.581395 \\ -0.034884 & -0.441860 & -0.534884 \end{bmatrix}$
answer85	$\begin{bmatrix} -0.010204 & -0.071429 & 0.061224 \\ -0.003061 & -0.021429 & -0.081633 \\ 0.126531 & -0.114286 & 0.040816 \end{bmatrix}$
answer86	$\begin{bmatrix} -0.658537 & -1.365854 & -1.512195 \\ 0.048780 & -0.195122 & -0.073171 \\ -0.487805 & -1.048780 & -1.268293 \end{bmatrix}$

answer87	$\begin{bmatrix} -0.666667 & -3.000000 & -1.833333 \\ 0.666667 & 1.000000 & 0.333333 \\ -0.333333 & 1.000000 & 0.833333 \end{bmatrix}$
answer88	$\begin{bmatrix} -0.204545 & 0.431818 & -0.113636 \\ -0.295455 & 0.568182 & 0.113636 \\ 0.340909 & -0.886364 & 0.022727 \end{bmatrix}$
answer89	$\begin{bmatrix} -0.287671 & -0.294521 & -0.130137 \\ -0.369863 & -0.164384 & -0.095890 \\ -0.013699 & -0.061644 & 0.089041 \end{bmatrix}$
answer90	$\begin{bmatrix} -0.117647 & -0.058824 & -0.176471 \\ -1.764706 & -1.882353 & -0.647059 \\ -1.235294 & -1.117647 & -0.352941 \end{bmatrix}$
answer91	$\begin{bmatrix} -0.027059 & -0.082353 & 0.003529 \\ -0.072941 & 0.082353 & 0.096471 \\ -0.025882 & -0.035294 & -0.127059 \end{bmatrix}$
answer92	$\begin{bmatrix} -0.075000 & -0.200000 & 0.331250 \\ 0.025000 & -0.100000 & 0.056250 \\ -0.100000 & -0.100000 & 0.025000 \end{bmatrix}$
answer93	$\begin{bmatrix} -0.320000 & -0.380000 & -0.160000 \\ -0.360000 & -0.573333 & -0.346667 \\ 0.280000 & 0.353333 & 0.306667 \end{bmatrix}$
answer94	$\begin{bmatrix} -0.095745 & 0.060790 & 0.007599 \\ -0.085106 & -0.072948 & -0.009119 \\ 0.000000 & 0.142857 & 0.142857 \end{bmatrix}$
answer95	$\begin{bmatrix} -0.090909 & -0.056818 & 0.125000 \\ -0.000000 & -0.125000 & -0.125000 \\ -0.727273 & -0.704545 & -0.250000 \end{bmatrix}$
answer96	$\begin{bmatrix} 0.024194 & -0.129032 & 0.201613 \\ -0.032258 & -0.161290 & 0.064516 \\ -0.266129 & 0.419355 & -0.217742 \end{bmatrix}$
answer97	$\begin{bmatrix} 0.140950 & 0.059347 & 0.090504 \\ 0.103858 & -0.008902 & -0.038576 \\ -0.045994 & -0.124629 & -0.040059 \end{bmatrix}$

answer98

$$\begin{bmatrix} 0.049630 & 0.003168 & -0.073918 \\ 0.095037 & -0.100317 & 0.007392 \\ -0.080253 & -0.026399 & -0.050686 \end{bmatrix}$$

answer99

$$\begin{bmatrix} 0.186957 & -0.213043 & -0.069565 \\ 0.273913 & -0.126087 & 0.060870 \\ -0.147826 & 0.052174 & 0.078261 \end{bmatrix}$$

answer100

$$\begin{bmatrix} -0.304348 & 0.094203 & 0.137681 \\ 0.304348 & -0.260870 & -0.304348 \\ 0.391304 & -0.311594 & -0.224638 \end{bmatrix}$$

answer101

$$\begin{bmatrix} 0.099415 & -0.081871 & 0.070175 & -0.143275 \\ 0.116959 & 0.040936 & -0.035088 & -0.011696 \\ 0.017544 & 0.122807 & -0.105263 & -0.368421 \\ 0.140351 & -0.017544 & 0.157895 & 0.052632 \end{bmatrix}$$

answer102

$$\begin{bmatrix} -0.042435 & -0.056145 & 0.029868 & -0.042762 \\ -0.070508 & -0.000979 & -0.032425 & 0.026386 \\ -0.040966 & 0.068875 & 0.058321 & 0.033078 \\ -0.001142 & 0.013873 & 0.014907 & -0.096023 \end{bmatrix}$$

answer103

$$\begin{bmatrix} 0.429775 & 0.078652 & 0.412921 & 0.182584 \\ -0.581461 & 0.011236 & -0.441011 & -0.188202 \\ -1.500000 & -0.000000 & -1.500000 & -0.500000 \\ -1.772472 & -0.134831 & -1.957865 & -0.491573 \end{bmatrix}$$

answer104

$$\begin{bmatrix} 0.244186 & 0.042151 & 0.062500 & 0.245640 \\ -0.034884 & 0.065407 & 0.062500 & 0.036337 \\ 0.052326 & -0.160610 & -0.031250 & 0.132994 \\ -0.255814 & -0.145349 & -0.250000 & -0.191860 \end{bmatrix}$$

answer105

$$\begin{bmatrix} 0.286948 & -0.117083 & -0.425144 & 0.388676 \\ -0.039347 & -0.044146 & 0.112924 & -0.061100 \\ 0.148752 & -0.003839 & -0.142354 & 0.190339 \\ 0.163148 & -0.036468 & -0.102367 & 0.058221 \end{bmatrix}$$

answer106

$$\begin{bmatrix} -0.076923 & 0.009615 & 0.078846 & -0.032692 \\ 0.076923 & 0.115385 & 0.012821 & -0.192308 \\ -0.307692 & 0.288462 & 0.032051 & 0.019231 \\ 0.076923 & -0.259615 & -0.062179 & 0.082692 \end{bmatrix}$$

answer107

$$\begin{bmatrix} 0.067466 & -0.049475 & 0.022489 & -0.124438 \\ -0.047526 & 0.128186 & 0.050825 & 0.058771 \\ 0.045277 & 0.073463 & -0.051574 & -0.021289 \\ -0.008696 & -0.086957 & -0.069565 & -0.121739 \end{bmatrix}$$

answer108

$$\begin{bmatrix} -0.138462 & 0.086579 & -0.052700 & -0.079542 \\ 0.015385 & 0.042390 & 0.017676 & -0.097545 \\ 0.061538 & -0.117676 & 0.028151 & -0.007201 \\ 0.138462 & -0.054664 & -0.053682 & 0.036989 \end{bmatrix}$$

answer109

$$\begin{bmatrix} 0.113448 & -0.029318 & 0.105163 & -0.154876 \\ 0.083493 & -0.077757 & -0.242830 & 0.284895 \\ 0.026131 & -0.085405 & 0.175908 & -0.277247 \\ -0.082855 & 0.100064 & 0.271511 & -0.145315 \end{bmatrix}$$

answer110

$$\begin{bmatrix} -0.306569 & 0.233577 & 0.408759 & 0.270073 \\ 0.253389 & -0.080813 & -0.266423 & -0.131387 \\ -0.056309 & 0.073514 & 0.003650 & 0.029197 \\ -0.254432 & 0.221064 & 0.386861 & 0.094891 \end{bmatrix}$$

answer111

$$\begin{bmatrix} -0.025340 & 0.015057 & -0.169666 & -0.171869 \\ 0.030481 & 0.054352 & -0.100257 & -0.010650 \\ -0.070878 & 0.114580 & 0.221080 & 0.301873 \\ -0.135880 & 0.022769 & 0.133676 & 0.252295 \end{bmatrix}$$

answer112

$$\begin{bmatrix} -0.076842 & -0.097509 & 0.118707 & -0.030737 \\ -0.106165 & -0.026674 & 0.090443 & 0.024201 \\ 0.081964 & -0.029323 & 0.006713 & 0.099452 \\ 0.092740 & 0.083201 & 0.029147 & 0.037096 \end{bmatrix}$$

answer113

$$\begin{bmatrix} 0.122145 & 0.224429 & 0.034757 & 0.056604 \\ 0.064548 & 0.012910 & -0.046673 & -0.018868 \\ -0.001986 & 0.199603 & -0.106256 & 0.169811 \\ -0.014399 & 0.197120 & -0.020357 & -0.018868 \end{bmatrix}$$

answer114

$$\begin{bmatrix} -0.125144 & 0.030423 & -0.073118 & -0.124760 \\ -0.033363 & 0.058162 & 0.036687 & 0.055605 \\ -0.012272 & -0.070561 & 0.093954 & 0.020453 \\ -0.001534 & -0.008820 & -0.113256 & 0.002557 \end{bmatrix}$$

answer115

$$\begin{bmatrix} 0.251656 & -2.466887 & -0.574503 & 0.569536 \\ 0.231788 & -2.864238 & -0.680464 & 0.735099 \\ -0.132450 & 2.350993 & 0.460265 & -0.562914 \\ -0.205298 & 2.394040 & 0.488411 & -0.622517 \end{bmatrix}$$

answer116

$$\begin{bmatrix} 0.728745 & -0.421053 & -0.190283 & 0.202429 \\ -1.959514 & 1.421053 & 0.267206 & -0.433198 \\ 1.801619 & -1.263158 & -0.109312 & 0.222672 \\ -0.287449 & 0.210526 & -0.097166 & -0.024291 \end{bmatrix}$$

answer117

$$\begin{bmatrix} -0.202247 & -0.051186 & -0.675406 & -0.803995 \\ -0.213483 & 0.026217 & -0.385768 & -0.490637 \\ 0.303371 & 0.132335 & 0.624220 & 0.761548 \\ -0.213483 & -0.084894 & -0.607990 & -0.601748 \end{bmatrix}$$

answer118

$$\begin{bmatrix} -0.167247 & 0.249129 & -0.247387 & 0.614983 \\ 0.153310 & -0.270035 & 0.310105 & -0.855401 \\ -0.098722 & 0.018583 & -0.055749 & 0.213705 \\ 0.089431 & -0.199187 & 0.097561 & -0.540650 \end{bmatrix}$$

answer119

$$\begin{bmatrix} -0.277372 & 0.248175 & -0.094891 & 0.350365 \\ -0.133820 & 0.102190 & -0.019465 & 0.046229 \\ 0.019465 & -0.087591 & 0.111922 & -0.015815 \\ -0.154907 & 0.197080 & 0.025953 & 0.271695 \end{bmatrix}$$

answer120

$$\begin{bmatrix} -0.081081 & 0.000000 & 0.027027 & -0.108108 \\ 0.094595 & 0.500000 & 0.135135 & 0.459459 \\ -0.306306 & -0.666667 & -0.175676 & -0.630631 \\ -0.130631 & -0.666667 & -0.067568 & -0.563063 \end{bmatrix}$$

answer121

$$\begin{bmatrix} -0.040000 & -0.120000 & 0.160000 & -0.120000 \\ 0.052941 & -0.047059 & 0.170588 & -0.105882 \\ -0.209412 & -0.569412 & 2.014118 & -1.981176 \\ -0.036471 & -0.256471 & 0.704706 & -0.727059 \end{bmatrix}$$

answer122

$$\begin{bmatrix} 0.181034 & -0.044061 & -0.120690 & 0.275862 \\ 0.080460 & -0.068966 & 0.057471 & 0.011494 \\ -0.000000 & -0.111111 & -0.000000 & -0.000000 \\ -0.206897 & 0.145594 & 0.137931 & -0.172414 \end{bmatrix}$$

answer123

$$\begin{bmatrix} 0.058718 & 0.031376 & 0.092784 & 0.044375 \\ -0.108920 & -0.096369 & 0.072165 & 0.077992 \\ 0.021963 & -0.034065 & -0.072165 & 0.008965 \\ 0.014792 & 0.099507 & -0.096220 & 0.026446 \end{bmatrix}$$

answer124

$$\begin{bmatrix} 0.049919 & 0.038659 & -0.054423 & 0.064807 \\ -0.051920 & -0.010134 & -0.131365 & -0.084949 \\ -0.030777 & -0.061429 & 0.018516 & 0.065307 \\ -0.123483 & 0.009633 & -0.023270 & -0.055048 \end{bmatrix}$$

answer125

$$\begin{bmatrix} -0.008475 & -0.134181 & -0.044492 & -0.073446 \\ 0.144068 & 0.114407 & 0.006356 & -0.084746 \\ 0.016949 & -0.064972 & -0.161017 & -0.019774 \\ -0.084746 & -0.008475 & 0.055085 & -0.067797 \end{bmatrix}$$

answer126

$$\begin{bmatrix} 0.020752 & 0.042802 & 0.045396 & 0.141375 \\ 0.132296 & 0.147860 & -0.085603 & 0.276265 \\ 0.260700 & 0.350195 & 0.007782 & 0.338521 \\ -0.265888 & -0.610895 & 0.230869 & -0.623865 \end{bmatrix}$$

answer127

$$\begin{bmatrix} -5.909091 & 0.204545 & 1.681818 & -0.022727 \\ 0.454545 & -0.227273 & -0.090909 & 0.136364 \\ -4.909091 & 0.454545 & 1.181818 & -0.272727 \\ -3.909091 & -0.045455 & 1.181818 & 0.227273 \end{bmatrix}$$

answer128

$$\begin{bmatrix} -0.179487 & 0.226923 & 0.319231 & 0.052564 \\ 0.025641 & 0.096154 & 0.211538 & -0.121795 \\ -0.076923 & 0.061538 & 0.315385 & -0.084615 \\ -0.025641 & 0.003846 & -0.011538 & -0.078205 \end{bmatrix}$$

answer129

$$\begin{bmatrix} -0.219512 & 0.113821 & 0.008130 & 0.121951 \\ -0.512195 & 0.621138 & -0.069919 & 0.451220 \\ 0.024390 & 0.024390 & 0.073171 & 0.097561 \\ 0.097561 & -0.102439 & 0.092683 & -0.109756 \end{bmatrix}$$

answer130

$$\begin{bmatrix} -0.017172 & -0.074747 & -0.102020 & -0.124242 \\ 0.115007 & 0.097258 & 0.036219 & 0.134632 \\ -0.018038 & -0.145743 & -0.048341 & -0.080087 \\ 0.135498 & 0.110823 & 0.099134 & 0.089610 \end{bmatrix}$$

answer131

$$\begin{bmatrix} 0.029287 & -0.015945 & 0.090791 & -0.067361 \\ -0.064246 & 0.041328 & 0.000837 & -0.023662 \\ 0.048859 & 0.041653 & 0.051462 & 0.044768 \\ 0.018642 & 0.026359 & -0.042211 & -0.028590 \end{bmatrix}$$

answer132

$$\begin{bmatrix} 0.174802 & 0.284301 & 0.135224 & 0.196570 \\ -0.029683 & -0.104881 & 0.033641 & -0.014512 \\ -0.304090 & -0.207784 & -0.122032 & -0.104222 \\ 0.279024 & 0.385884 & 0.083773 & 0.336412 \end{bmatrix}$$

answer133

$$\begin{bmatrix} -0.500000 & 0.333333 & -0.166667 & 0.666667 \\ -0.409091 & 0.242424 & -0.166667 & 0.666667 \\ 0.022727 & -0.031987 & -0.064815 & -0.129630 \\ 0.113636 & 0.025253 & -0.027778 & -0.055556 \end{bmatrix}$$

answer134

$$\begin{bmatrix} -6.000000 & 0.869565 & 1.376812 & -2.521739 \\ -1.000000 & 0.130435 & 0.289855 & -0.478261 \\ 2.000000 & -0.304348 & -0.565217 & 0.782609 \\ -3.000000 & 0.652174 & 0.782609 & -1.391304 \end{bmatrix}$$

answer135

$$\begin{bmatrix} -0.008197 & 0.001171 & 0.049180 & -0.118267 \\ -0.022404 & -0.044418 & -0.065574 & 0.019594 \\ -0.097268 & 0.061514 & -0.016393 & 0.053708 \\ 0.010929 & 0.046058 & -0.065574 & 0.014832 \end{bmatrix}$$

answer136

$$\begin{bmatrix} 0.053991 & -0.178404 & 0.076123 & 0.191147 \\ -0.129108 & -0.051643 & 0.053991 & 0.126761 \\ 0.100939 & -0.159624 & 0.173374 & 0.171026 \\ -0.082160 & -0.032864 & 0.008384 & -0.036217 \end{bmatrix}$$

answer137

$$\begin{bmatrix} 0.181818 & 0.363636 & 0.136364 & -0.454545 \\ 3.606061 & 6.212121 & 1.954545 & -6.681818 \\ 2.242424 & 3.984848 & 1.181818 & -4.272727 \\ 0.303030 & 0.606061 & 0.227273 & -0.590909 \end{bmatrix}$$

answer138

$$\begin{bmatrix} 0.209411 & -0.094955 & 0.034337 & 0.016109 \\ -0.025011 & -0.008902 & -0.010174 & -0.078847 \\ 0.086901 & -0.002967 & -0.074820 & 0.045146 \\ 0.229758 & -0.002967 & 0.068037 & -0.097711 \end{bmatrix}$$

answer139

$$\begin{bmatrix} 0.225236 & -0.205189 & -0.040094 & 0.007075 \\ -0.118514 & 0.482311 & 0.272406 & 0.069575 \\ 0.052476 & -0.029481 & -0.045991 & -0.050708 \\ 0.333137 & -0.704009 & -0.258255 & -0.130896 \end{bmatrix}$$

answer140

$$\begin{bmatrix} -1.740000 & 2.120000 & 0.620000 & 0.520000 \\ 0.176667 & -0.213333 & 0.036667 & 0.020000 \\ -1.456667 & 1.853333 & 0.603333 & 0.420000 \\ -0.181667 & 0.153333 & 0.028333 & -0.030000 \end{bmatrix}$$

answer141

$$\begin{bmatrix} 0.164035 & -0.285965 & -0.171053 & -0.130702 \\ -0.176316 & 0.173684 & 0.039474 & 0.076316 \\ -0.026316 & 0.473684 & 0.289474 & 0.026316 \\ -0.034211 & 0.615789 & 0.276316 & 0.134211 \end{bmatrix}$$

answer142

$$\begin{bmatrix} 0.407407 & 0.735450 & -0.206349 & 0.185185 \\ -0.061728 & 0.109347 & 0.005291 & 0.123457 \\ -0.203704 & -0.510582 & 0.031746 & -0.092593 \\ -0.179012 & -0.297178 & 0.058201 & -0.141975 \end{bmatrix}$$

answer143

$$\begin{bmatrix} 0.269430 & 0.116580 & -0.246978 & -0.150259 \\ 0.103627 & 0.121762 & -0.094991 & -0.134715 \\ -0.580311 & -0.481865 & 0.865285 & 0.554404 \\ 0.471503 & 0.329016 & -0.682211 & -0.512953 \end{bmatrix}$$

answer144

$$\begin{bmatrix} -0.176692 & -0.218045 & -0.150376 & -0.180451 \\ 0.650376 & 0.270677 & 0.255639 & 0.706767 \\ 0.349624 & 0.229323 & 0.244361 & 0.293233 \\ 0.229323 & 0.112782 & -0.060150 & 0.127820 \end{bmatrix}$$

answer145

$$\begin{bmatrix} -0.055256 & -0.126011 & 0.081536 & 0.094340 \\ 0.010782 & -0.036388 & -0.064690 & -0.103774 \\ -0.052561 & -0.010108 & 0.065364 & -0.056604 \\ 0.153639 & 0.106469 & 0.078167 & -0.103774 \end{bmatrix}$$

answer146

$$\begin{bmatrix} 0.030138 & 0.107158 & 0.013813 & -0.095019 \\ -0.119087 & -0.034533 & 0.091252 & -0.006488 \\ 0.029510 & -0.061741 & -0.048974 & -0.072206 \\ -0.130808 & -0.187317 & -0.080787 & 0.086019 \end{bmatrix}$$

answer147

$$\begin{bmatrix} -0.148148 & -0.037037 & 0.037037 & -0.129630 \\ -0.103704 & -0.025926 & -0.074074 & -0.040741 \\ 0.138889 & 0.097222 & 0.027778 & 0.152778 \\ -0.155556 & -0.288889 & -0.111111 & 0.188889 \end{bmatrix}$$

answer148

$$\begin{bmatrix} -0.104247 & 0.049228 & 0.038610 & 0.091699 \\ -0.030888 & -0.096525 & -0.173745 & 0.212355 \\ -0.048906 & 0.013835 & 0.141570 & -0.163771 \\ -0.051480 & -0.077542 & 0.043758 & 0.103925 \end{bmatrix}$$

answer149

$$\begin{bmatrix} 0.034039 & -0.198712 & -0.014719 & 0.172953 \\ 0.188592 & -0.046918 & 0.107636 & -0.014719 \\ -0.122355 & 0.254830 & -0.055198 & -0.351426 \\ -0.208832 & 0.705612 & -0.206992 & -0.817847 \end{bmatrix}$$

answer150

$$\begin{bmatrix} -0.092958 & -0.101721 & 0.104225 & -0.064789 \\ -0.064789 & -0.064163 & -0.078873 & 0.076056 \\ 0.016901 & 0.089202 & -0.109859 & 0.284507 \\ 0.000000 & 0.111111 & 0.000000 & 0.000000 \end{bmatrix}$$

3 Matrix Determinant

answer1

18

answer2

-33

answer3

12

answer4

-83

answer5

9

answer6

13

answer7

43

answer8	−27
answer9	−10
answer10	92
answer11	−1
answer12	69
answer13	−1
answer14	0
answer15	−22
answer16	108
answer17	−10
answer18	−23
answer19	59
answer20	0
answer21	77
answer22	4
answer23	−2
answer24	25
answer25	69
	30

answer26	0
answer27	52
answer28	-15
answer29	55
answer30	-2
answer31	13
answer32	-26
answer33	20
answer34	43
answer35	65
answer36	-14
answer37	-47
answer38	0
answer39	9
answer40	-15
answer41	17
answer42	-69
answer43	15
	31

answer44	−15
answer45	9
answer46	−9
answer47	41
answer48	72
answer49	54
answer50	1
answer51	−6
answer52	−155
answer53	7
answer54	142
answer55	−72
answer56	0
answer57	−17
answer58	−230
answer59	−65
answer60	588
answer61	−575

answer62	−242
answer63	179
answer64	−27
answer65	9
answer66	−701
answer67	−492
answer68	−104
answer69	222
answer70	0
answer71	−635
answer72	681
answer73	−375
answer74	344
answer75	388
answer76	−313
answer77	501
answer78	276
answer79	520

answer80	−245
answer81	209
answer82	−144
answer83	214
answer84	80
answer85	437
answer86	−201
answer87	−407
answer88	−630
answer89	18
answer90	245
answer91	−70
answer92	−310
answer93	−123
answer94	−72
answer95	−19
answer96	58
answer97	83

answer98	−44
answer99	144
answer100	−156
answer101	−1975
answer102	539
answer103	−1606
answer104	14258
answer105	−304
answer106	−5775
answer107	2064
answer108	−2024
answer109	−1270
answer110	7293
answer111	2411
answer112	14910
answer113	−2368
answer114	409
answer115	5950

answer116	1127
answer117	−4416
answer118	−2205
answer119	−12257
answer120	−4698
answer121	9604
answer122	9849
answer123	−2028
answer124	4104
answer125	−120
answer126	2048
answer127	6935
answer128	2111
answer129	557
answer130	−792
answer131	−19922
answer132	6420
answer133	1430

answer134	−2232
answer135	751
answer136	447
answer137	906
answer138	−1536
answer139	6703
answer140	5998
answer141	−3613
answer142	−3531
answer143	−2228
answer144	1977
answer145	14190
answer146	−633
answer147	−772
answer148	831
answer149	−5100
answer150	−3330