

ValueYourPension.com

Present Value Pension Calculations

Name of pension participant:	Mary Smith
Sex:	Female
Date of Birth:	5/1/1960
Marriage Date:	6/15/1995
Determination date ("present value as of this date"):	1/24/2018
Date participation in pension plan began:	3/15/1992
Date participation in pension plan ended (for purposes of the marital coverage ratio):	1/24/2018
Coverage ratio (percent of the pension participation time during which you were married):	0.874194
Calculation date:	1/24/2018
Pension plan name:	MA State Employee Retirement System
Projected date when pension benefits will begin:	6/1/2023
Projected age when benefits start:	63.0833
Projected monthly benefit:	\$2399
Projected interest rate (usually 30-year Treasury):	2.83%
Mortality Table:	2018 Female Combined Funding
Projected cost of living adjustment (COLA):	3.00% of the first \$13000
Present value of pension as of 1/24/2018:	\$467,907.41
Marital portion of pension present value, based on coverage ratio:	\$409,041.64

Age	Year during which Age starts	Partial Year	Gross Annual Benefit	Dollar value of annual COLA in Gross Annual Benefit	Interest discount rate	Probability of Surviving each year	Present Value of Annual Benefit
57	2017	0.3333 years interest and mortality discount			0.999215	0.999942	
58	2018				0.971715	0.997621	
59	2019				0.944972	0.997289	
60	2020				0.918966	0.996894	
61	2021				0.893675	0.996381	
62	2022				0.86908	0.995812	
63	2023	0.9167 years of Gross Annual Benefit	\$26,389.00		0.845162	0.995132	\$21,914.60
64	2024	0.9167 years of COLA payment	\$28,788.00	\$357	0.821902	0.994485	\$23,102.01
65	2025		\$29,145.50	\$390	0.799282	0.993764	\$22,633.80
66	2026		\$29,535.50	\$390	0.777285	0.99292	\$22,153.88
67	2027		\$29,925.50	\$390	0.755893	0.992103	\$21,662.31
68	2028		\$30,315.50	\$390	0.73509	0.99123	\$21,160.17
69	2029		\$30,705.50	\$390	0.71486	0.990278	\$20,647.39
70	2030		\$31,095.50	\$390	0.695186	0.989244	\$20,123.75
71	2031		\$31,485.50	\$390	0.676053	0.988075	\$19,588.68

72	2032		\$31,875.50	\$390	0.657448	0.98677	\$19,041.25
73	2033		\$32,265.50	\$390	0.639354	0.985289	\$18,480.46
74	2034		\$32,655.50	\$390	0.621758	0.983613	\$17,905.09
75	2035		\$33,045.50	\$390	0.604647	0.981709	\$17,313.86
76	2036		\$33,435.50	\$390	0.588006	0.979535	\$16,705.35
77	2037		\$33,825.50	\$390	0.571824	0.977051	\$16,078.06
78	2038		\$34,215.50	\$390	0.556086	0.974196	\$15,430.37
79	2039		\$34,605.50	\$390	0.540782	0.970903	\$14,760.55
80	2040		\$34,995.50	\$390	0.525899	0.967114	\$14,067.01
81	2041		\$35,385.50	\$390	0.511426	0.963008	\$13,350.05
82	2042		\$35,775.50	\$390	0.497351	0.958338	\$12,610.90
83	2043		\$36,165.50	\$390	0.483663	0.952983	\$11,849.57
84	2044		\$36,555.50	\$390	0.470352	0.94687	\$11,066.59
85	2045		\$36,945.50	\$390	0.457408	0.939944	\$10,263.76
86	2046		\$37,335.50	\$390	0.444819	0.932112	\$9,444.18
87	2047		\$37,725.50	\$390	0.432577	0.923276	\$8,612.29
88	2048		\$38,115.50	\$390	0.420672	0.913451	\$7,774.37
89	2049		\$38,505.50	\$390	0.409095	0.902574	\$6,938.67
90	2050		\$38,895.50	\$390	0.397836	0.890516	\$6,114.50
91	2051		\$39,285.50	\$390	0.386887	0.877459	\$5,312.68
92	2052		\$39,675.50	\$390	0.37624	0.863603	\$4,545.64
93	2053		\$40,065.50	\$390	0.365885	0.849189	\$3,826.11
94	2054		\$40,455.50	\$390	0.355815	0.834182	\$3,165.10
95	2055		\$40,845.50	\$390	0.346023	0.81864	\$2,570.75
96	2056		\$41,235.50	\$390	0.3365	0.801254	\$2,046.60
97	2057		\$41,625.50	\$390	0.327239	0.78307	\$1,593.60
98	2058		\$42,015.50	\$390	0.318233	0.764079	\$1,211.81
99	2059		\$42,405.50	\$390	0.309475	0.744383	\$898.51
100	2060		\$42,795.50	\$390	0.300958	0.724062	\$648.58
101	2061		\$43,185.50	\$390	0.292675	0.703372	\$455.13
102	2062		\$43,575.50	\$390	0.28462	0.682529	\$310.10
103	2063		\$43,965.50	\$390	0.276787	0.661615	\$204.94
104	2064		\$44,355.50	\$390	0.26917	0.641132	\$131.27
105	2065		\$44,745.50	\$390	0.261762	0.620817	\$81.45
106	2066		\$45,135.50	\$390	0.254558	0.601122	\$48.94
107	2067		\$45,525.50	\$390	0.247552	0.582297	\$28.48
108	2068		\$45,915.50	\$390	0.240739	0.564616	\$16.06
109	2069		\$46,305.50	\$390	0.234114	0.547892	\$8.78
110	2070		\$46,695.50	\$390	0.227671	0.532072	\$4.66
111	2071		\$47,085.50	\$390	0.221405	0.517438	\$2.41
112	2072		\$47,475.50	\$390	0.215312	0.503836	\$1.21
113	2073		\$47,865.50	\$390	0.209386	0.49789	\$0.59
114	2074		\$48,255.50	\$390	0.203624	0.499048	\$0.29
115	2075		\$48,645.50	\$390	0.19802	0.5	\$0.14
116	2076		\$49,035.50	\$390	0.19257	0.5	\$0.07
117	2077		\$49,425.50	\$390	0.18727	0.5	\$0.03
118	2078		\$49,815.50	\$390	0.182116	0.5	\$0.02
119	2079		\$50,205.50	\$390	0.177104	0.5	\$0.01
120	2080		\$50,595.50	\$390	0.17223	0	\$0.00

Sum of the present values of each annual benefit: \$467,907.41