

Student Name: _____

Score: _____

Length of the Line Segment

Distance between the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$

End points of the line segments are given. Find the length of the line segments and round the answer to nearest tenth:

(7, 5) and (8, 7) Length: _____	(1, 0) and (-3, 5) Length: _____
(4, 6) and (5, 2) Length: _____	(-6, -4) and (-1, 0) Length: _____
(-8, -3) and (-11, -9) Length: _____	(4, 0) and (0, 4) Length: _____
(6, 6) and (-6, 0) Length: _____	(8, -8) and (3, -3) Length: _____

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Answers

(7, 5) and (8, 7) Length: 2.2	(1, 0) and (-3, 5) Length: 6.4
(4, 6) and (5, 2) Length: 4.1	(-6, -4) and (-1, 0) Length: 6.4
(-8, -3) and (-11, -9) Length: 6.7	(4, 0) and (0, 4) Length: 5.7
(6, 6) and (-6, 0) Length: 13.4	(8, -8) and (3, -3) Length: 7.1