DISPLACEMENT VECTORS

(1-5) Given points P and Q, find the displacement vector \overrightarrow{PQ} .

- 1. P = (1,0,3) and Q = (0,2,4)
- 2. P = (2,3,4) and Q = (5,3,8)
- 3. P = (-4, 3, -8) and Q = (1, 2, 3)
- 4. P = (-2, -3, 4) and Q = (5, 3, 8)
- 5. P = (2,3,0) and Q = (2,3,5)
- 6. For the points P = (1, -1, 1), Q = (2, -2, 2), R = (2, 0, 1), and S = (3, -1, 2), does $\overrightarrow{PQ} = \overrightarrow{RS}$?
- 7. For the points P = (0,0,0), Q = (1,3,2), R = (1,0,1), and S = (2,3,4), does $\overrightarrow{PQ} = \overrightarrow{RS}$?