

Midpoint Formula

Mid point of the line segment $P(x_1, y_1)$ and $Q(x_2, y_2)$ is $(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2})$

Find the missing endpoint of the following line segments whose midpoint and one of the endpoint is given.

Endpoint: (2, 5), midpoint: (3, 4) Missing endpoint: _____	Endpoint: (7, 9), midpoint: (6, 7) Missing endpoint: _____
Endpoint: (-4, 8), midpoint: (0, 8) Missing endpoint: _____	Endpoint: (-1, -1), midpoint: (-1, -1) Missing endpoint: _____
Endpoint: (3, 10), midpoint: (-2, -3) Missing endpoint: _____	Endpoint: (0, 4), midpoint: (5, 3.5) Missing endpoint: _____
Endpoint: (6, -2), midpoint: (4.5, -2.5) Missing endpoint: _____	Endpoint: (4, 4), midpoint: (0, 0) Missing endpoint: _____