

Find the distance and midpoint
between the points:
 $(6, -3)$ and $(-4, 2)$

The distance d between two points
 $(2, 3)$ and $(b, 9)$ is $d = 10$.
Find the possible value(s) of b .

The midpoint of a segment is $(3, -3)$. If the first endpoint is $(1, -2)$, find the other endpoint.

Answers:

1. $d = 5\sqrt{5}$ M: $(1, -\frac{1}{2})$

2. $b = -6$ or $b = 10$

3. $(5, -4)$