

Bellwork Monday, April 7, 2014

What is the best name for Quadrilateral ABCD?

A (0, -3)   B(8,6)   C ( -4,5)   D ( -12, -4 )

diagonals bisect, are perpendicular, but not congruent.

ABCD is a Rhombus

	midpt	m	distance
AC	$(-2, 1)$	$\frac{8}{-4} = -2$	$\sqrt{64+16} = \sqrt{80}$
BD	$(2, 1)$ 11-gram	$\frac{6-4}{8-12} = \frac{10}{-20} = -\frac{1}{2}$	$\sqrt{100+400} = \sqrt{500}$