

Bellwork Monday, April 14, 2014

1. What is the best name for quadrilateral ABCD?

A(-1, 6) B(11, -2) C(7, -8) D(-5, 0)

	slope	DIST
AB	$\frac{8}{-12} = -\frac{2}{3}$	$\sqrt{64+144} = \sqrt{208}$
BC	$\frac{6}{4} = \frac{3}{2}$	$\sqrt{36+16} = \sqrt{52}$
CD	$\frac{8}{-12} =$	
DA	$\frac{6}{4} =$	

~~trapezoid~~
Rectangle ~~square~~

> Not congruent

Opp sides parallel and
right angles

2. What is the best name for quadrilateral EFGH?

E(-1, 4) F(5, 6) G(7, 0) H(-2, -8)

	slope	dist
EF	$\frac{2}{6} = \frac{1}{3}$	$\sqrt{240}$
FG	$-\frac{6}{2} = -3$	$\sqrt{40}$
GH	$-\frac{8}{-9} = \frac{8}{9}$	$\sqrt{145}$
HE	$\frac{12}{1} = 12$	$\sqrt{145}$

KITE

consecutive
sides are congruent

Sides not parallel