

Monday 11/6/17

Warm-Up 1 system

middle #'s 4, 6 -2, 5 3, 7

What number is in the middle of the others? -3, -5 -9, -1 -2, 14

Graph paper - plot 3 pts and connect vertical and horizontal lines to make a box

Find a) slope $\frac{a}{b}$ vert # - if falls
hor #

b.) distance $\sqrt{a^2 + b^2}$

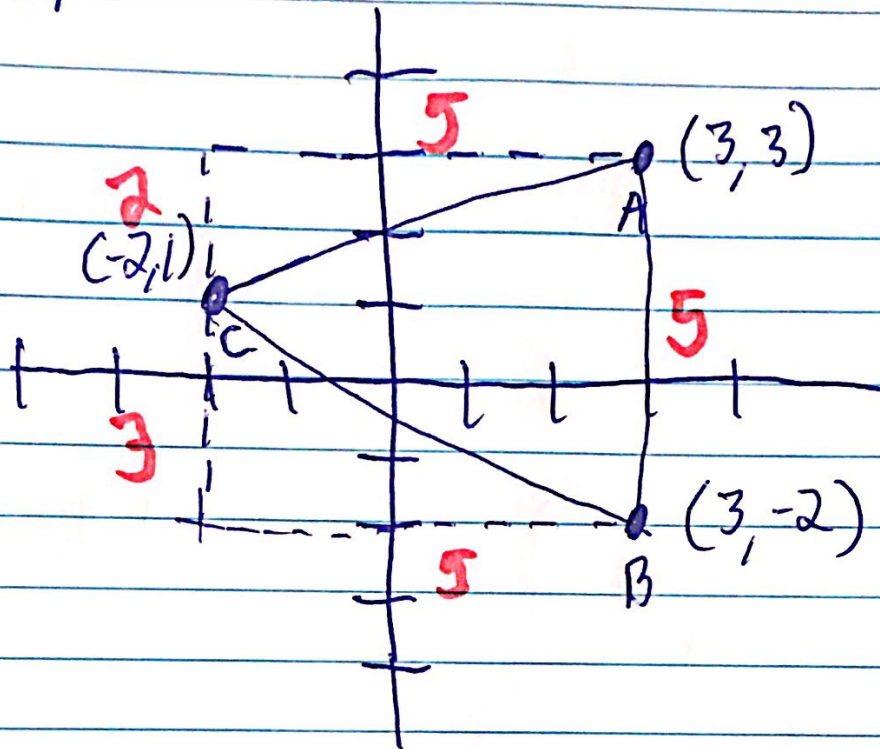
c.) midpoint = (middle of x, middle of y)

From warm-up

or
 $\left(\frac{x+x}{2}, \frac{y+y}{2} \right)$

EOC - Find Perimeter by adding 3 distances
✓ Radical operations, calculator decimals

Example



AC

$$m = \frac{2}{5}$$

distance $\sqrt{2^2 + 5^2}$

midpoint $\left(\frac{-2+3}{2}, \frac{3+1}{2}\right)$

BC

$$m = -\frac{3}{5}$$

distance $\sqrt{3^2 + 5^2}$

midpoint $\left(\frac{-2+3}{2}, \frac{1-2}{2}\right)$

AB

$m = \text{undefined}$
distance = 5

midpoint = $\left(\frac{3+3}{2}, \frac{3-2}{2}\right)$

EOC

Find perimeter
Add 3 distance

$$\sqrt{29} + \sqrt{34} + 5$$