# Warmup 3/(Number of ears in the Three Musketeers) 1)Find the area of this triangle: Created by Mr. Lischwe 2) What is the distance between the points (2, 8) and (11, -5)? Round your answer to the nearest tenth. (Draw a picture if it helps)















#### Write it down on your notes page if you want... Distance Formula If $(x_1, y_1)$ and $(x_2, y_2)$ are the points, then: $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$ • NOTE: If this formula confuses you, you don't have to use it (at least not this year). You can just draw the triangle and use $a^2 + b^2 = c^2$ !







#### B

#### Area of a Right Triangle

• A right triangle has one leg that measures 12 inches and a hypotenuse that measures 13 inches. What is the **area** of this triangle?

#### \*\*\*Draw a picture! It will help!!!\*\*\*









## Find the distance between:

• Points (101, 450) and (200, -50)

G

### H Bob's Drive • ob drives 10 miles east, then 3 miles south, then 4 miles west. How far away from his starting point does he end up? (Draw a picture!)



