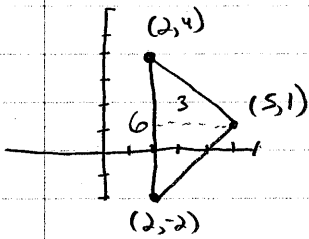


2-3

Area of Δ 's & Test ReviewArea of Δ 's

$$A = \pm \frac{1}{2} \begin{vmatrix} x_1 & y_1 & 1 \\ x_2 & y_2 & 1 \\ x_3 & y_3 & 1 \end{vmatrix} \leftarrow \text{bars, not brackets. } (x_1, y_1), \text{ etc} = \text{vertices of the } \Delta$$

↑
 one or the other, just make the answer positive



$$A = \pm \frac{1}{2} \begin{vmatrix} 2 & 4 & 1 \\ 5 & 1 & 1 \\ 2 & -2 & 1 \end{vmatrix} = 9u^2$$

$$A = \frac{1}{2}bh = \frac{1}{2}(6)(3) = 9u^2$$

You try: $(-2, 5) (3, 3) (1, -4) = -19.5 = \boxed{19.5u^2}$
 what happens if you rearrange the points?

Rest of class - Test Review