

Geo II  
Class Work

WeeK  
8-29-12

Ex  $(x_1, y_1), (x_2, y_2)$  Midpoint

$$\boxed{(6, 9)}$$

$$\left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

Ex  $(7, 10), (13, 11) = \boxed{(10, 10\frac{1}{2})}$

⑧  $(9, 10), (-10, -2) = \boxed{(-\frac{1}{2}, 4)}$

⑩  $\begin{matrix} (2, -10) \\ \text{END} \end{matrix}, \begin{matrix} (6, -7) \\ \text{mid} \end{matrix} (x, y) \begin{matrix} \text{END} \end{matrix}$

$$2 \cdot \frac{2+x}{2} = 6 \cdot 2$$

$$\begin{matrix} 2+x = 12 \\ -2 \quad -2 \end{matrix}$$

$$x = 10$$

$$2 \cdot \frac{-10+y}{2} = -7 \cdot 2$$

$$\begin{matrix} -10+y = -14 \\ +10 \quad +10 \end{matrix}$$

$$y = -4$$

$$\boxed{(10, -4)}$$

$$\textcircled{27} \quad (-4, -4), (0, -6)$$

$\textcircled{Ex}$

$$\frac{4}{8} = \frac{2}{4} = \boxed{\frac{1}{2}}$$

$$-6 + 4 = (-2)^2$$

$$0 + 4 = \underline{(4)^2}$$

$$20 = d^2$$

$$\sqrt{20} = d$$

~~$$\sqrt{4 \cdot 5}$$~~

~~$$\sqrt{4}\sqrt{5}$$~~

$$\boxed{2\sqrt{5} = d}$$

~~7~~  
 Simplify  
 your  
 RADICALS