

$$\textcircled{2} -5 + 3(-3x + 8) = 82$$

$$\underline{\underline{-5}} - 9x + \underline{\underline{24}} = 82$$

$$\begin{array}{r} \downarrow \\ -9x + 19 = 82 \\ -19 \quad -19 \end{array}$$

$$\frac{-9x}{-9} = \frac{63}{-9}$$

$$\boxed{x = -7}$$

$$\underline{\underline{CK}} -5 + 3[-3(-7) + 8] \stackrel{?}{=} 82$$

$$-5 + 3[29] \stackrel{?}{=} 82$$

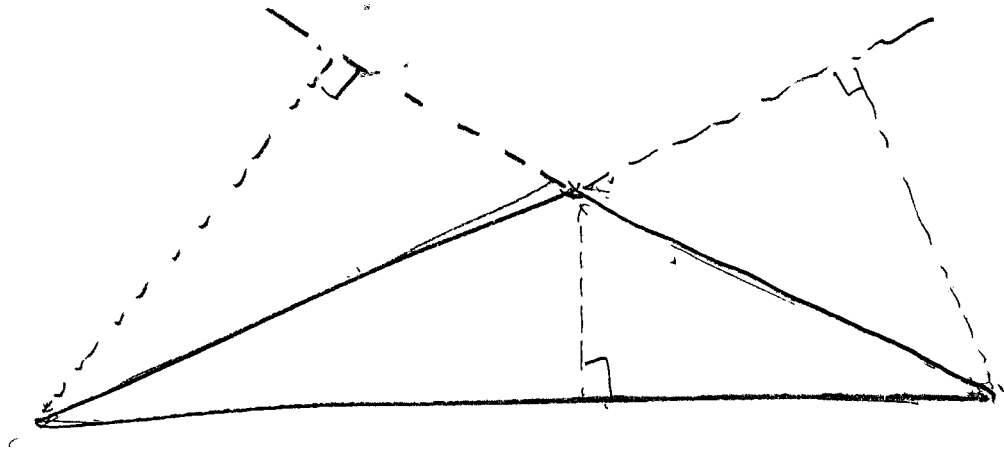
$$-5 + 87 \stackrel{?}{=} 82 \checkmark$$

GEOMETRY I

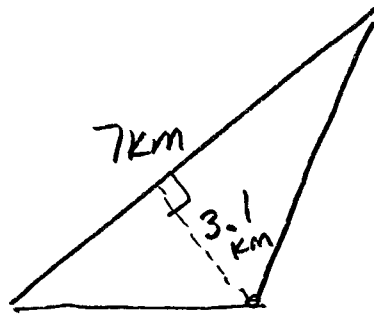
CLASS
NOTES

MONDAY

9-17-12



④



$$A_{\Delta} = \frac{1}{2} b h$$

$$A_{\Delta} = \frac{1}{2} (7)(3.1)$$

$$= \frac{1}{2} (21.7)$$

$$A_{\Delta} = 10.85 \text{ km}^2$$

$$A_0 = \pi r^2$$

$$\text{Length}^2 = r^2$$

(EX)

(EX)

$$A^2$$

$$r^2$$

$$C_0 = 2\pi r$$

$$\text{Length}' = r'$$

$$A'$$

$$r'$$

⑥ $A_0 = ?$ If $r = 8 \text{ in}$

$$A_0 = 64\pi \text{ in}^2$$

⑧ $C_0 = ?$ If $r = 11 \text{ cm}$

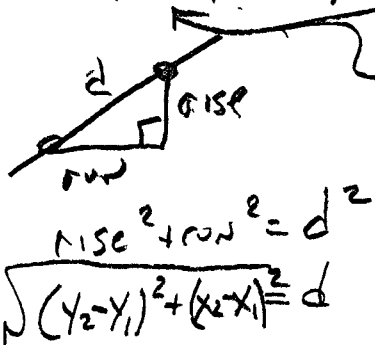
$$C_0 = 22\pi \text{ cm}$$

⑩ $(-8, 1), (8, -5)$ Midpoint?

$$(0, -2) \text{ Mid}$$

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

⑫ $(-7, 1), (4, -2)$ Distance



$$\text{rise}^2 + \text{run}^2 = d^2$$

$$\sqrt{(y_2 - y_1)^2 + (x_2 - x_1)^2} = d$$

$$\text{rise}^2 = (-2 - 1)^2 = (-3)^2 = 9$$

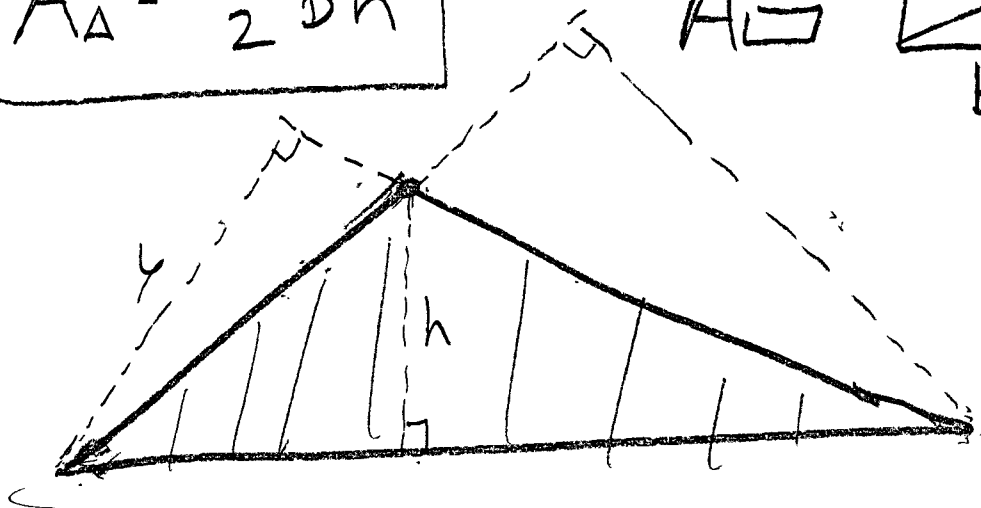
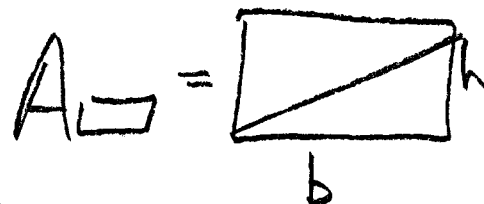
$$\text{run}^2 = (4 + 7)^2 = (11)^2 = 121$$

$$d^2 = 130$$

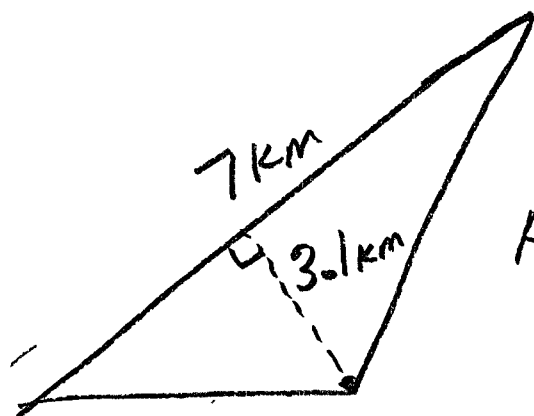
$$d = \sqrt{130} \text{ units}$$

130
10 13
② ⑤

$$A_{\Delta} = \frac{1}{2}bh$$



④



$$\begin{aligned} A_{\Delta} &= \frac{1}{2}bh \\ &= \frac{1}{2}(7)(3.1) \\ &= \frac{21.7}{2} \end{aligned}$$

$$A_{\Delta} = 10.85 \text{ km}^2$$

$$A_0 = \pi r^2$$

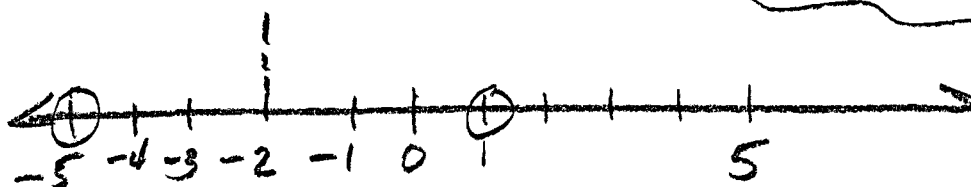
$$C_0 = 2\pi r$$

⑥ $A_0 = ?$ $r = 8 \text{ in}$ $A_0 = 64\pi \text{ in}^2$

⑧ $C_0 = ?$ $r = 11 \text{ cm}$ $C_0 = 22\pi \text{ cm}$

⑩ $(-8, 1), (8, 5)$ Mid. *

$$M(0, -2) \quad \left\{ \left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right) \right.$$



⑫ $(-7, 1), (4, -2)$

$$\begin{aligned} \text{rise}^2 &= (-2 - 1)^2 = (-3)^2 = 9 \\ \text{run}^2 &= (4 + 7)^2 = (11)^2 = 121 \end{aligned}$$

$$d^2 = 130$$

$$d = \sqrt{130}$$