

$$A = \frac{(\alpha+b)b}{2}$$

$$= \frac{[x+(x+2y)](\sqrt{3}y)}{2}$$

$$= \frac{\lambda(x+y)(\sqrt{3}y)}{2}$$

$$= (60-4y+y)(\sqrt{3}y)$$

$$= 60\sqrt{3}y - 3\sqrt{3}y^{2}$$

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So,
$$4s+2\pi r=100$$

$$2s+\pi r=50$$

$$S=\frac{50-\pi r}{2}$$

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$$\frac{AA}{2r} = 2(25 - \frac{\pi}{2}r)'(-\frac{\pi}{2}) + 2\pi r = 0$$

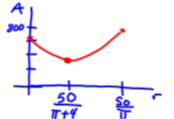
Thus MIN AREA

$$= 14^2 + \pi(7)^2$$

$$r = \frac{50}{T}$$

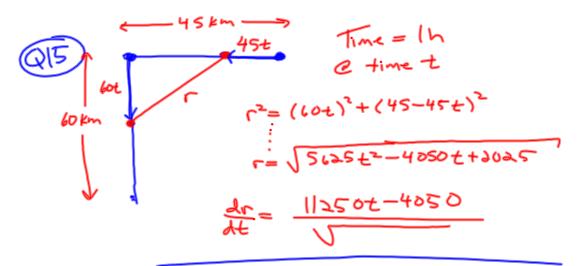
$$\therefore MAX APEA = T (\frac{50}{T})^2$$

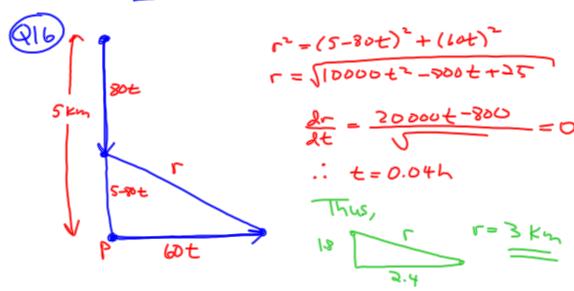
Note:

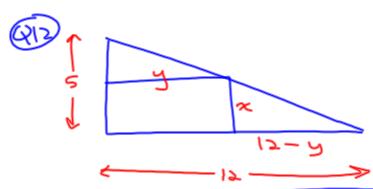


= 2200

= 795.8 cm2





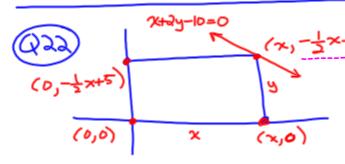


$$\frac{x}{|x-y|} = \frac{5}{2}$$

$$= ()y$$

$$x = 5 - \frac{5}{2}y$$

$$= ()y$$



$$(x, -\frac{1}{2} \times 15) \qquad x+2y-10=0$$

$$\therefore y=-\frac{1}{2} \times +5$$

$$A = \times y$$

$$= x(-\frac{1}{2} \times 15) \qquad \frac{AA}{A} = \frac{1}{2}$$

$$(-x_1-x^2+k^2)$$
 $y=-x^2+k^2$

$$= (-x^3 + k^2 \times)(5)$$

$$= (-x^3 + k^2)$$

$$\frac{dA}{dx} = (-3x^{2} + k^{2})(2) = 0$$

$$x^{2} = \frac{k^{2}}{3}$$

$$\frac{1}{1 \ln u} = \frac{2k}{\sqrt{3}}, \quad \omega = -\frac{2k}{\sqrt{3}} + k^{2}$$

$$= -\frac{k^{2}}{3} + \frac{3k^{2}}{3}$$

$$= \frac{2k^{2}}{3}$$

$$= \frac{2k^{2}}{3}$$