

עגל עק ע: 0.5

$$0.5 = 5 \cdot e$$

עגל עק ע: 5.5

$$5.5 = 9 \cdot 5 \cdot e$$

עגל עק ע: 5

עגל עק ע: 9

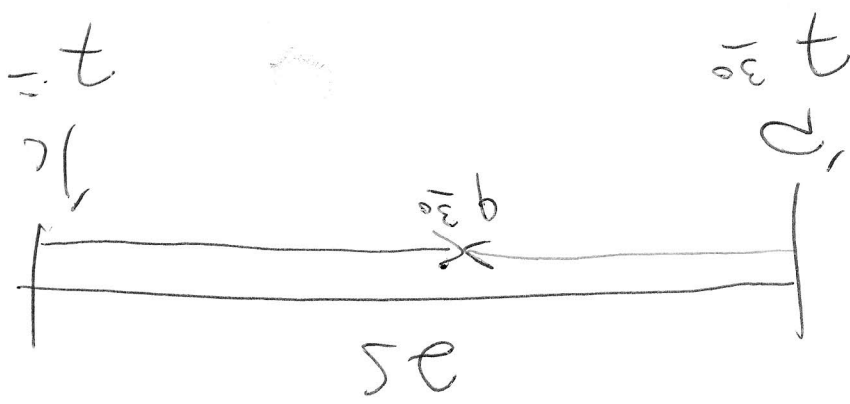
$$S = X$$

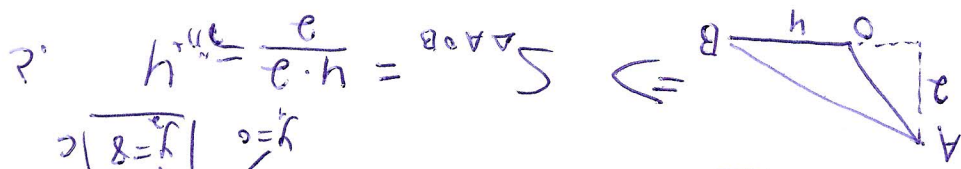
$$5 \cdot e \cdot e = X \cdot 5 \cdot h$$

$$5e = Xe + 5 \cdot e + X \cdot 5 \cdot e$$

$$5e = Xe + (v+X) \cdot 5 \cdot e$$

עגל עק	X	0.5	Xe
עגל עק	v+X	5 \cdot e	(v+X) \cdot 5 \cdot e
	נעול	5.5	על





$$\sum \Delta AOB = \frac{1}{2} \cdot 4 \cdot 2 = 4$$

$$\begin{aligned} x^2 - 4x + 4 &= 0 \\ x(x-4) &= 0 \\ x=0 \text{ or } x=4 \end{aligned}$$

$$\begin{aligned} y^2 - 8y + 16 &= 0 \\ y(y-8) &= 0 \\ y=0 \text{ or } y=8 \end{aligned}$$

$$4 + y^2 - 8y + 16 = 0$$

$$x^2 - 4x + 4 + 16 = 0$$

$$(x-2)^2 + (0-4)^2 = 0$$

$$(0-2)^2 + (y-4)^2 = 0$$

for ΔO
 $B < 8$

$B(4, 0)$
 $C(0, 8)$

$-2 \neq 1$

$$m_{BC} = \frac{8-0}{0-4} = -2$$

2.

$$\begin{aligned} x^2 - 6x + 9 &= 0 \\ (x-3)^2 &= 0 \\ x &= 3 \end{aligned}$$

$$x^2 - 4x + 4 + 16 = 0$$

$$(x-2)^2 + (2-4)^2 = 0$$

$y=2$

$A(-2, 2)$

$$(x-2)^2 + (y-4)^2 = 0$$

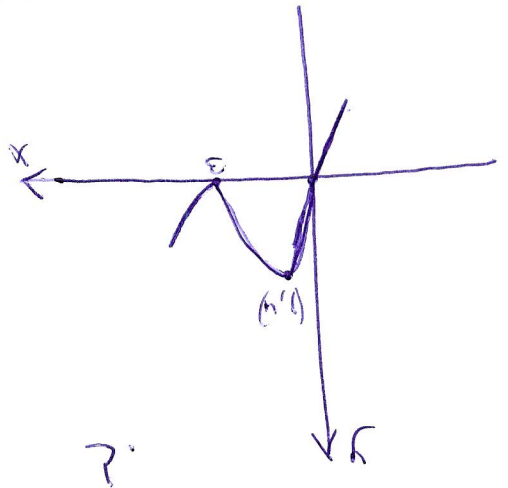
$$2 = 2$$

$$4 + 16 = 20$$

$$(0-2)^2 + (0-4)^2 = 20$$

10

2.



$$AB = 4 - 0 = 4 \leftarrow A(0, 0) \quad B(0, 4)$$

$$\begin{aligned} \text{min } (3, 0) & \\ f(3) &= 3(3-3)^2 = 0 \\ f(1) &= 1(1-3)^2 = 4 \\ \text{max } (1, 4) & \end{aligned}$$

$$\begin{aligned} 0 &= x^2 - 4x + 3 \\ (x-3)(x-1) & \\ x=3 \quad x=1 & \end{aligned}$$

$$\begin{aligned} f(x) &= x(x-3)^2 \\ f(x) &= x^3 - 6x^2 + 9x \\ f'(x) &= 3x^2 - 12x + 9 \end{aligned}$$

$x > 3$	$1 < x < 3$	$0 < x < 1$	$x < 0$	$f''(x)$
↘	↘	↘	↘	↘
+	-	0	+	$f''(x)$
4	3	1	0	$f'(x)$
4	3	1	0	$f(x)$

$(0, 0)$; $(3, 0)$; x axis points
 $(0, 4)$; y axis points

