

$$\begin{array}{ccc} \cdot & 1600 & \cdot \\ & & \cdot \\ & & 1600 : \end{array}$$

$$\begin{array}{ccc} \cdot & 1200 & \cdot \\ & & \cdot \\ & & 20 \\ & & \cdot \\ & & \frac{1200}{20} = 60 \\ \cdot & 60 & : \end{array}$$

$$\begin{array}{ccc} \cdot & (1600 - 1200 = 400) & \cdot \\ & 400 & \cdot \\ & & \cdot \\ & & (30 - 20 = 10) & \cdot \\ & & 10 & \cdot \\ & & \cdot \\ & & \frac{400}{10} = 40 & \cdot \\ & & 40 & : \end{array}$$

$$M = n \cdot (7x + 15y) :$$

 n M y x

$$, x = 10 ,$$

10

$$, y = 15 ,$$

15 -

$$. M = 295n$$

$$M = n \cdot (7 \cdot 10 + 15 \cdot 15) :$$

$$y = 15 - x = 10$$

$$. M = 295n :$$

$$. n = 10 ,$$

10

$$. M = 2650 ,$$

10

2650

$$. x = 10 , 10$$

 $- y$

$$x = 10 , n = 10 , M = 2650$$

$$M = n \cdot (7x + 15y)$$

$$2650 = 10 \cdot (7 \cdot 10 + 15y)$$

$$2650 = 10 \cdot (70 + 15y)$$

$$2650 = 700 + 150y$$

$$1950 = 150y \quad / : 150$$

$$\boxed{13 = y}$$

$$. 13 ,$$

:

$$. M = 295 \cdot 10 =$$

2950 :

$$M = 295n$$

$$n = 10$$

$$. (300 -) ,$$

2650 ,

:

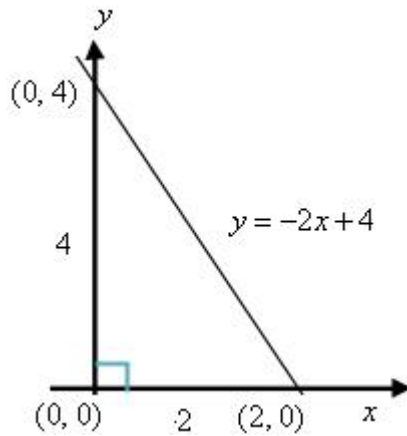
 $. n$

$$M = n \cdot (7x + 15y)$$

$$M = n \cdot (7x + 15y) \quad / : (7x + 15y)$$

$$\boxed{\frac{M}{7x + 15y} = n}$$

$$. n = \frac{M}{7x + 15y} :$$



$y = -2x + 4$ (1)
 • (0, 4) $x = 0$ $y =$
 $y = 0$ $x =$
 • (2, 0) $x = 2 \leftarrow \leftarrow 2x = 4 \leftarrow 0 = -2x + 4$
 • (0, 0)

• (0, 0) , (2, 0), (0, 4) :

• 2, 4 , , (2)

$$S = \frac{2 \cdot 4}{2} = 4$$

• 4 :

• -2 $y = -2x + 4$ (1)

• $m = -2$, (4, 0)

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

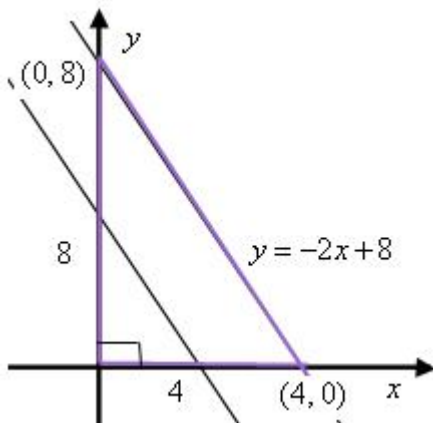
$$\boxed{y = -2x + 8}$$

• $y = -2x + 8$:

• 4, 8 , , (2)

$$S = \frac{4 \cdot 8}{2} = 16$$

• 16 :



$$a_{10} = 4 \cdot a_3 \quad , \quad 4$$

$$\cdot S_{50} = 3725 \quad , 3725 \quad 50$$

$$\begin{cases} a_{10} = 4 \cdot a_3 \\ S_{50} = 3725 \end{cases}$$

$$a_{10} = 4 \cdot a_3$$

$$a_1 + 9d = 4 \cdot (a_1 + 2d)$$

$$a_1 + 9d = 4a_1 + 8d$$

$$-3a_1 + d = 0$$

$$S_{50} = 3725$$

$$3725 = \frac{50[2a_1 + d(50-1)]}{2}$$

$$3725 = 25 \cdot (2a_1 + 49d) \quad / : 25$$

$$149 = 2a_1 + 49d$$

$$+ \begin{cases} 0 = -3a_1 + d \rightarrow d = 3a_1 \\ 149 = 2a_1 + 49d \end{cases}$$

$$149 = 2a_1 + 49 \cdot 3a_1$$

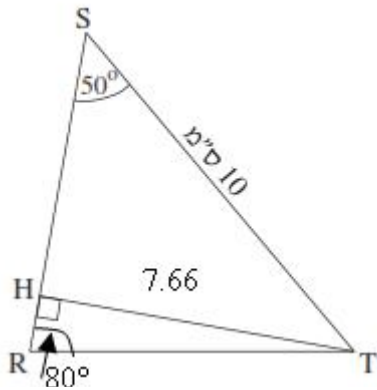
$$149 = 149a_1 / : 149$$

$$\boxed{a_1 = 1}$$

$$d = 3 \cdot 1$$

$$\boxed{d = 3}$$

$$\cdot d = 3 , a_1 = 1 :$$



TH

 ΔSHT

$$\sin \angle TSH = \frac{TH}{ST}$$

$$\sin 50^\circ = \frac{TH}{10} \quad / \cdot 10$$

$$10 \sin 50^\circ = TH$$

$$\boxed{TH = 7.66 \text{ cm}}$$

" 7.66 TH :

() $\angle STR = \angle RST = 50^\circ$ (1) .

$$\angle R = 180^\circ - 50^\circ - 50^\circ = 80^\circ$$

.80° SRT :

RT (2)

 ΔRHT

$$\sin \angle R = \frac{TH}{RT}$$

$$\sin 80^\circ = \frac{7.66}{RT}$$

$$RT \sin 80^\circ = 7.66 \quad / : \sin 80^\circ$$

$$RT = \frac{7.66}{\sin 80^\circ}$$

$$\boxed{RT = 7.78 \text{ cm}}$$

" 7.78 :

(RS = " 7.78)

$$P(\text{H}) = \frac{1}{2}, \quad P(\text{T}) = \frac{1}{2}$$

$$P(\text{H}, \text{H}) = P(\text{H}) \cdot P(\text{H}) = \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{4}$$

$$P(\text{H}, \text{T}) = P(\text{H}) \cdot P(\text{T}) = \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{4}$$

$$P(\text{H}, \text{T}) + P(\text{T}, \text{H}) = P(\text{H}) \cdot P(\text{T}) + P(\text{T}) \cdot P(\text{H}) = \frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2}$$

$$\frac{1}{2}$$