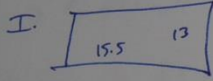


Sun
Shad

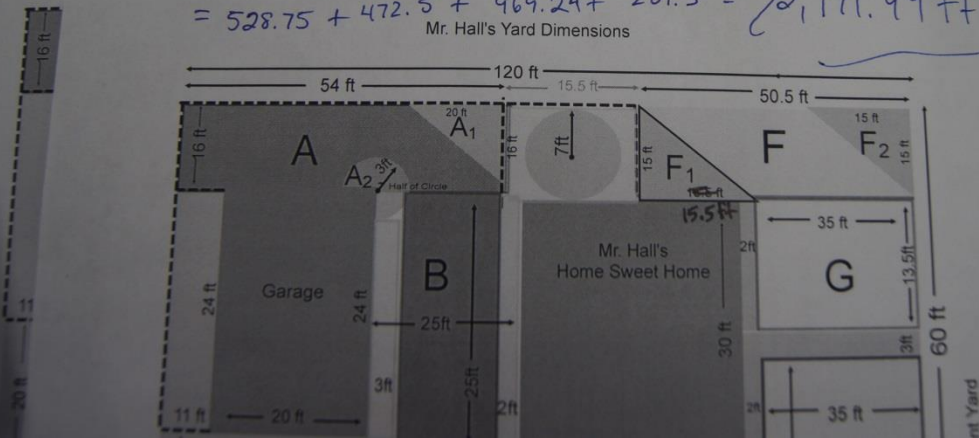
dimensi
delivery
tax 5°



Area = b x h
Area = 15.5 x 13
= 201.5 ft²

Sun = F + G + H + I
= 528.75 + 472.5 + 969.24 + 201.5 = 2,171.99 ft²

SUN TOTAL



practice organizing math work

Solve multiple step problems that require being organized.

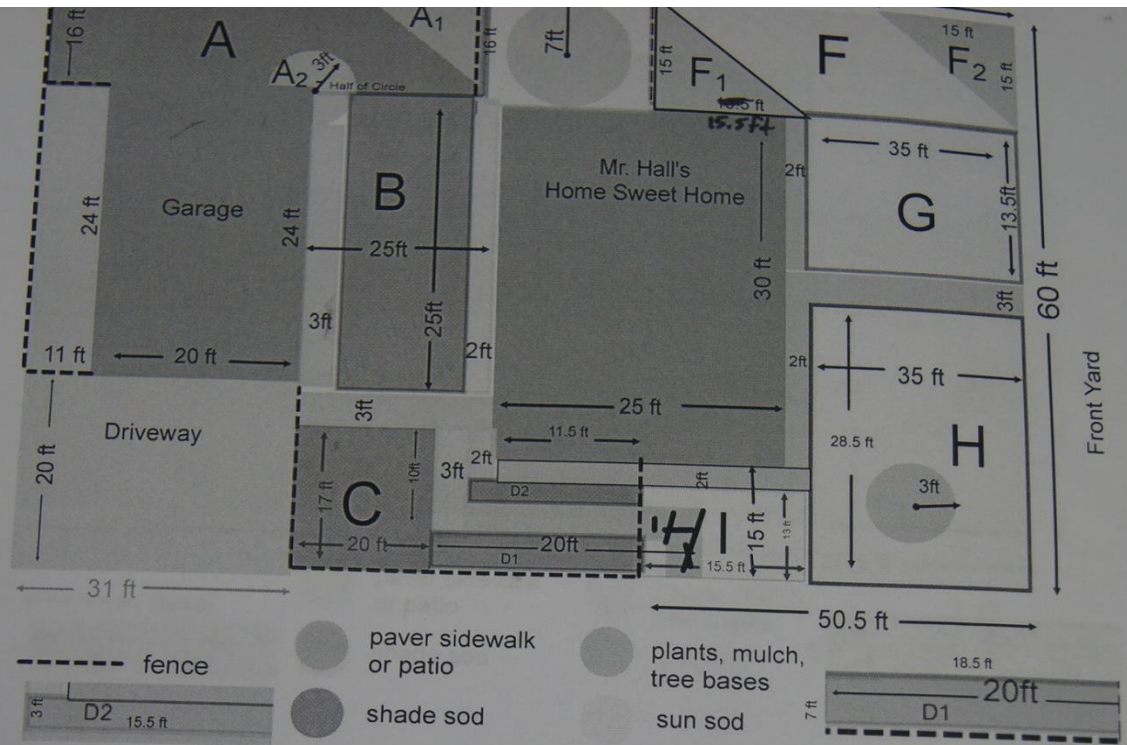
Area = F (rectangle) - Area F₁ - Area F₂

Area rectangle = b x h

Area triangle = 1/2 b x h or b x h / 2

Area = 50.5 x 15 - (1/2 x 15 x 15.5) - (1/2 x 15 x 15)
= 757.5 - (116.25) - (112.5)
= 528.75 ft²

Adjustment
? labeled ?
lost : found
planners : fr



Area of G
 Area of rectangle = $b \times h$
 $= 35 \times 13.5$
 $= 472.5 \text{ ft}^2$

Area of H = area of rectangle - area of circle
 $= (35 \times 28.5) - \pi r^2$
 $= 997.5 - \pi 3^2$
 $= 997.5 - 9\pi$
 $= 969.24 \text{ ft}^2$

MR HALL'S LAWN PROBLEM

Background Information:

- cost of roll of 'sun' sod \$1.44

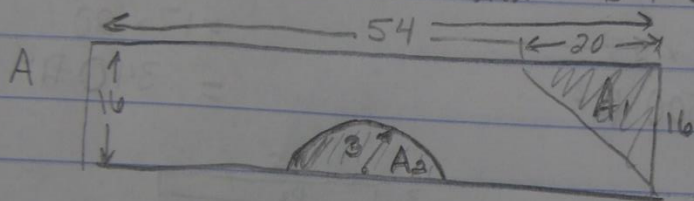
- cost of roll of 'shade' sod \$2.43

- dimensions of a roll of sod $2' \times 5'$ $2' \times 5' = 10 \text{ ft}^2$
5'

- tax 5%

- delivery 1-250 rolls \$42⁰⁰

Area
Shade sod = area of A + area of B + area C + area of D

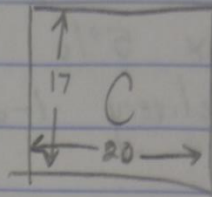
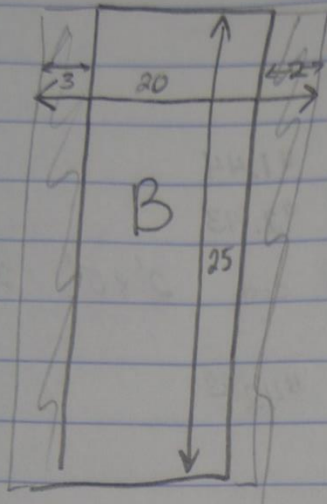


$$A = (\text{area of rectangle}) - (\text{area of triangle } A_1) - \left(\frac{\text{Area of Circle } A_2}{2} \right)$$

$$A = (b \times h) - \left(\frac{1}{2} \times b \times h \right) - \left(\frac{\pi r^2}{2} \right)$$

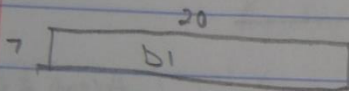
$$A = (54 \times 16) - \left(\frac{1}{2} \times 20 \times 16 \right) - \left(\frac{\pi \times 3^2}{2} \right)$$

$$A = 864 - 160 - 14.13716694 = 689.86 \text{ ft}^2$$

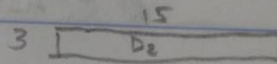


$$\begin{aligned} \text{Area of } B &= b \times h \\ &= 20 \times 25 \\ &= 500 \text{ ft}^2 \end{aligned}$$

$$\begin{aligned} \text{Area } C &= b \times h \\ &= 17 \times 20 \\ &= 340 \text{ ft}^2 \end{aligned}$$



$$\begin{aligned} \text{Area } D_1 &= b \times h \\ &= 20 \times 7 \\ &= 140 \text{ ft}^2 \end{aligned}$$



$$\begin{aligned} \text{Area } D_2 &= b \times h \\ &= 15 \times 3 \\ &= 45 \text{ ft}^2 \end{aligned}$$

$$\begin{aligned} \text{TOTAL AREA OF SHADE } S_{\text{UD}} &= A + B + C + D_1 + D_2 \\ &= 689.86 + 500 + 340 + 140 + 45 \\ &= 1,714.86 \text{ ft}^2 \end{aligned}$$