

4.3 Model With Formulas pg 180-81

Solutions

1 b) Solve for  $l$ .

$$P = 2l + 2w$$

Bring  $2w$  to the other side

$$P - 2w = 2l$$

Divide by 2 to isolate  $l$ .

$$\frac{P - 2w}{2} = l$$

Apr 14-8:18 AM

1) f) Solve for  $h$

$$2 \times A = \frac{bh}{2} \times 2$$

Multiply by 2

$$\frac{2A}{b} = \frac{bh}{b}$$

Divide by  $b$  to isolate  $h$ .

$$\frac{2A}{b} = h$$

Apr 14-8:23 AM

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$$I = Prt$$

$I$  = interest  
 $P$  = principle (Amount Invested)  
 $r$  = rate (%)  
 $t$  = time

$$I = (4000)(0.85\%)(4)$$

Divide by 100

$$I = (4000)(0.0085)(4)$$

$$I = \$136$$

You would earn \$136 after 4 years.

Apr 14-8:26 AM

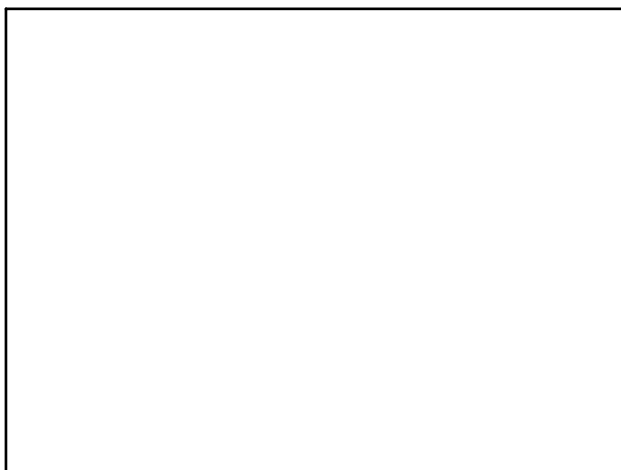
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$4G + 20 = 200$   
 $4G = 200 - 20$   
 $4G = 180$   
 $\frac{4G}{4} = \frac{180}{4}$   
 $G = 45 \text{ km/h}$

$C = G + 10$   
 $C = 45 + 10$   
 $C = 55 \text{ km/h}$

Graham drives at 45 km/h, while Colin drives at 55 km/h.

Apr 14-8:30 AM



Apr 6-6:55 PM