

1. Find  $f(2)$  when  $f(x) = 4x^2 + 4x + 4$

$$\begin{aligned} f(2) &= 4 \cdot (2)^2 + 4(2) + 4 \\ &= 4 \cdot 4 + 4(2) + 4 \\ &= 16 + 8 + 4 \\ &= 24 + 4 \\ &= 28 \end{aligned}$$

2. Solve:  $V = \frac{1}{3}Bh$  for  $B$

$$3 \cdot V = \frac{1Bh \cdot 3}{1}$$

$$\frac{3V}{h} = \frac{Bh}{h}$$

$$\frac{3V}{h} = B$$

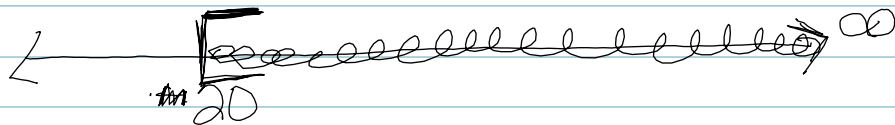
3. Solve:  $3(x+4) \leq 4(x-2)$

$$\begin{array}{r} 3x + 12 \leq 4x - 8 \\ -4x \quad \quad -4x \end{array}$$

$$\begin{array}{r} -1x + 12 \leq -8 \\ -12 \quad \quad -12 \end{array}$$

$$\begin{array}{r} -1x \leq -20 \\ -1 \quad \quad -1 \end{array}$$

$$x \geq 20$$



$$[20, \infty)$$