

WHAT IS X?



 Solve for the unknown. Show your work.

A $14x + 8 = 18x - 4$

$$\begin{aligned} 4 + 14x + 8 &= 18x - 4 + 4 \\ -14x + 12 + 14x &= 18x - 14x \\ 12 &= 4x \\ 3 &= x \end{aligned}$$

B $6b - 4 = 2(b - 3)$

C $5(11 + 12) + 4n = 114$

D $4m = 2(4m) - 4$

E $-12n = -36$

F $7x - 2 = 8 + 2x$

G $110 - m = 100$

H $4(3a + 1) = 3a + 22$

I $7s + 5(2 - s) = -10$

J $5x - 2 = 3x + 10$

K $a - 3(2a) = -25$

L $4x + 8 = 32$

 Find the area and perimeter for each shape.