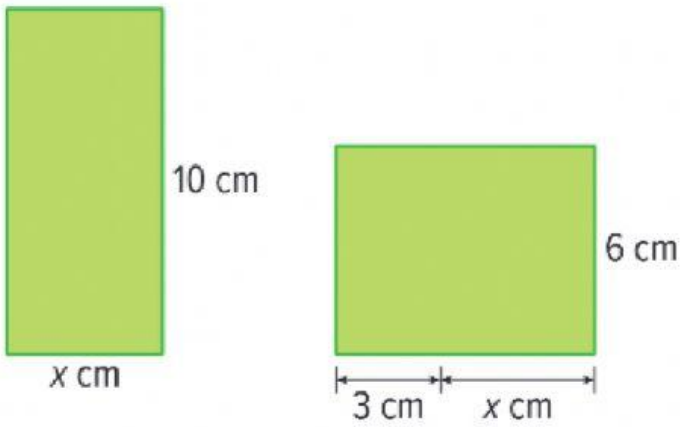
9 Advance Mathematics

Lesson 2–4

Name in English

Check

GEOMETRY Find the value of x so that the figures have the same area.



$x =$?

LIVEWORKSHEETS

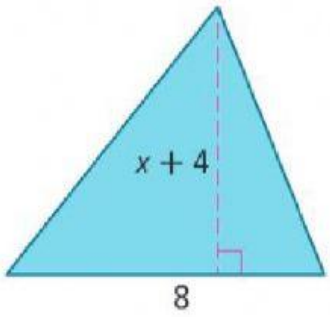
21. **GEOMETRY** Supplementary angles are two angles with measures that have a sum of 180°. Complementary angles are two angles with measures that have a sum of 90°. The measure of the supplement of an angle is 10° more than twice the measure of the complement of the angle. Let $90 - x$ equal the degree measure of the complement angle and $180 - x$ equal the degree measure of the supplement angle. Write and solve an equation to find the measure of the angle.

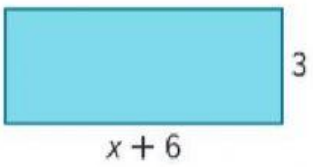
Choose the correct option

a) $180 - x = 10 + 2(90 - x)$
b) $180 + x = 10 + 2(90 - x)$
c) $x - 180 = 10 + 2(90 - x)$
d) $x - 180 = 10 + 2(x - 90)$

$x =$

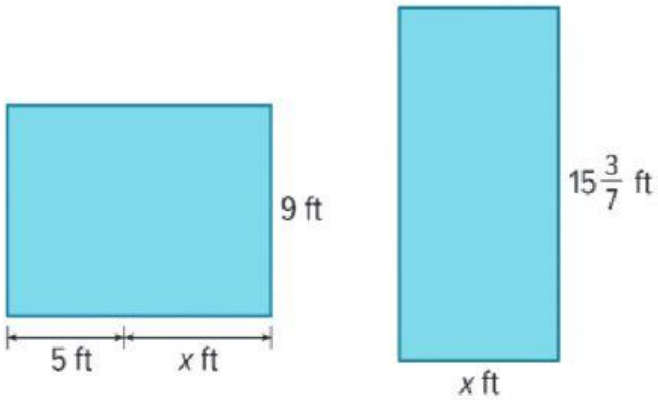
22. **GEOMETRY** Write and solve an equation to find the value of x so that the figures have the same area.



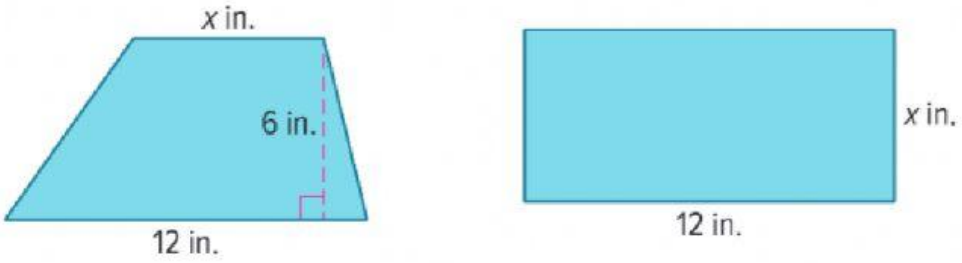


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23. **GEOMETRY** Write and solve an equation to find the value of x so that the figures have the same area.



24. **GEOMETRY** Write and solve an equation to find the value of x so that the figures have the same area. The area of a trapezoid is $\frac{1}{2}h(b_1 + b_2)$.



LIVEWORKSHEETS