Name:————————————————————————————————————

1. Solve the following equations. Format your answers such that they are presentable.

(a) $3x + 3x = 66$

Answer:————————————————————————————

(b) $x + 6x + 3x = 9x + 19$

Answer:————————————————————————————

(c) $7x + x = 6x - x$

Answer:————————————————————————————

(d) $12x - x = 242$

Answer:————————————————————————————

2. A 32cm wire is bent into a rectangle. The width of the rectangle is 2 cm shorter than its length. Find the width and length of the rectangle. Also, calculate its area.

   Hint: The length of the wire is the perimeter of the rectangle, which is $2(a + b)$, a and b are indicated in the figure.

   b

   a
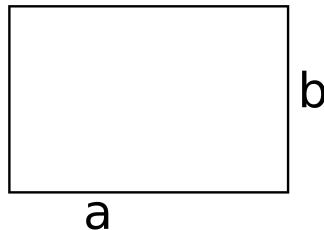
   Answer:‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗

3. Fraction algebra. Simplify you answers.

   (a) $\dfrac{1}{3} + \dfrac{2}{5}$

   Answer:‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗

   (b) $\dfrac{3}{4} - \dfrac{1}{2}$

   Answer:‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗

   (c) $\dfrac{2}{7} \times \dfrac{5}{2}$

   Answer:‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗

   (d) $\dfrac{5}{9} \div \dfrac{2}{3}$

   Answer:‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗‗

The End.