

1. In your notebook solve the equations:

a). $2 \cdot (3x - 4) + x - 7 = 4(x + 3)$

b). $|2x + 1| = 4$

c). $12 - \frac{5}{8}x = 17$

Answers: a) $x = 9$

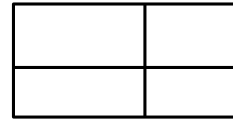
b) $\{-2\frac{1}{2}, 1\frac{1}{2}\}$

c) $x = -8$

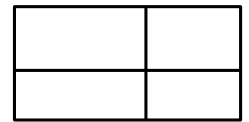
Complete in this handout:

2. Remove parenthesis and simplify:

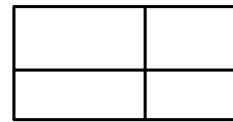
$(w + 1) \cdot (w + 1) =$ _____



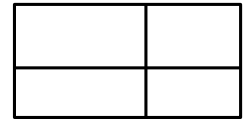
$(w + x) \cdot (w + x) =$ _____



$(x + 1) \cdot (x - 1) =$ _____

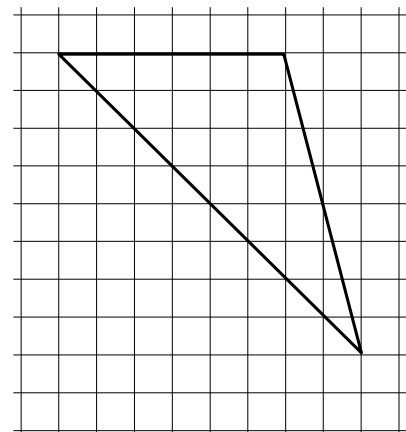
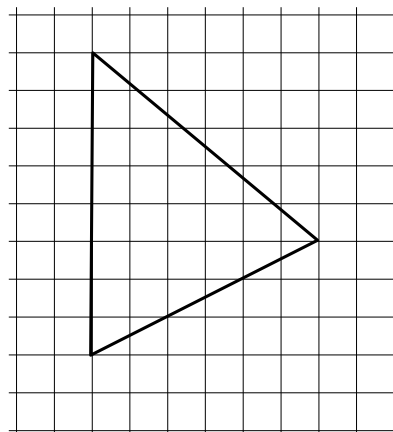
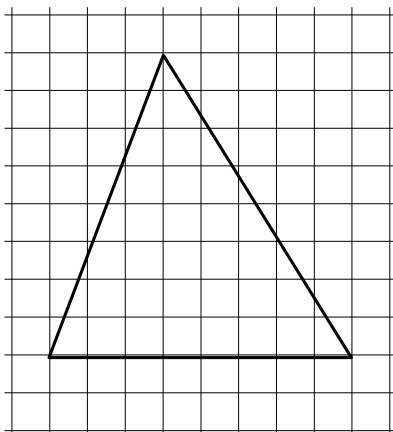


$(x + y) \cdot (x - y) =$ _____



3. Add 4D vectors: $\vec{a}=(3,-1,5,2)$ and $\vec{e}=(-1,4,3,-6)$: $\vec{a}+\vec{e} =$ _____

4. Find the areas of the triangles:



3. Straight lines AB and CD are parallel: $AB \parallel CD$.

a). Show that areas of $\triangle ACD$ and $\triangle BCD$ are equal.

b). What can you say about the area of $\triangle RCD$?

