

$$1) 2^{45} \cdot 2^{10} = 2^{55} = 2 \cdot 5^2 = 2 \cdot 25 = 50$$

$$22800 \dots 00$$

$$1 + 2 + 8 = 11$$

75

$$2) (a+b)^2 - (c+d)^2 + (a+c)^2 - (b+d)^2 = 2(a-d)(a+b+c+d)$$

$$((a+b) - (c+d))((a+b) + (c+d)) + ((a+c) - (b+d))((a+c) + (b+d)) = 2(a-d)(a+b+c+d)$$

$$(a+b-c-d)(a+b+c+d) + (a+c-b-d)(a+c+b+d) = 2(a-d)(a+b+c+d)$$

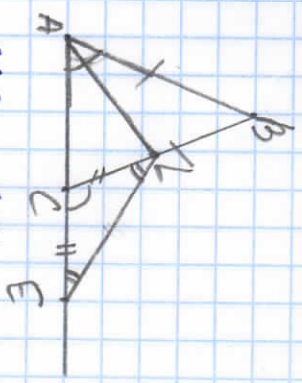
$$(a+b+c+d)((a+b-c-d) + (a+c-b-d)) = 2(a-d)(a+b+c+d)$$

$$(a+b+c+d)(a+b-c-d+a+c-b-d) = 2(a-d)(a+b+c+d)$$

$$(a+b+c+d)(2a-2d) = 2(a-d)(a+b+c+d) \quad 75$$

3) datus:

$\triangle ABC$ - trikotus segitiga
 AE - garis balok
 BE - garis balok



$$\angle C = \angle CEF + \angle FEL, \text{ m.k. } \angle C - \text{bentuk}$$

$$\angle CAE = \frac{1}{2} \angle BCF, \text{ m.k. } \angle CAE = \frac{1}{2} \angle BCF$$

Luarnepus fasete no
 wawenawue

grewer 8 kraea

MBY WMI n. T. Monopentui

lygen Hruu

2020 21 Jan

$\alpha \angle A = \angle C$ (no generalization) \Rightarrow
 $\angle LAE = \angle LEF \Rightarrow AE = EF$ & $AE = AF$

$AE = AF$
 $EF = 8 + 5 + 2$

$$(b+d)(b-d) = (b+d)^2 - (d-d)^2 = (b+d)^2 - (d+d)^2$$

$$(b+d)(b-d) = (b+d)(b-d) + (b+d)(b+d) - (b+d)(b+d)$$

$$(b+d)(b-d) = (b+d)(b-d) + (b+d)(b+d) - (b+d)(b+d)$$

$$(b+d)(b-d) = (b-d)(b+d) + (b+d)(b+d) - (b+d)(b+d)$$

$$(b+d)(b-d) = (b-d)(b+d) + (b+d)(b+d) - (b+d)(b+d)$$

$$(b+d)(b-d) = (b-d)(b+d) + (b+d)(b+d) - (b+d)(b+d)$$



...
 $AE = AF$
 $EF = 8 + 5 + 2$