Üben für die GKÜ 14.11

① 50 m = 0,05 km

50 m = 5000 cm

② $10^2 = 100$

$10^6 = 1000000$

$3 \cdot 10^3 = 3000$

$500 = 5 \cdot 10^2$

$6000 = 6 \cdot 10^3$

$2{,}5 \cdot 10^3 = 2500$

$3{,}65 \cdot 10^5 = 365000$

$47500 = 4{,}75 \cdot 10^4$

$6897\,0000 = 6{,}897 \cdot 10^7$

$35 \cdot 10^3 \cdot 2 \cdot 10^5 = 7 \cdot 10^8$

$2 \cdot 10^{-2} = \frac{2}{100}$

$13^2 = 169$

1–25 Quadratzahlen

AUSWENDIG!

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③ $3^2 + 4^2 \cdot 3^2 - (5^2 \cdot 4^2)$

$9 + 16 \cdot 9 - (25 \cdot 16)$

$9 + 144 - 400$

$153 - 400$

-247

$25 \cdot 16$

150

400

$4^2 - 2^2 \cdot 3^2 + (\underbrace{4 \cdot 2}_{8})^2$

$16 - 4 \cdot 9 + 8^2$

$\underline{16} - 36 + \underline{64} = 80 - 36 = \underline{\underline{44}}$

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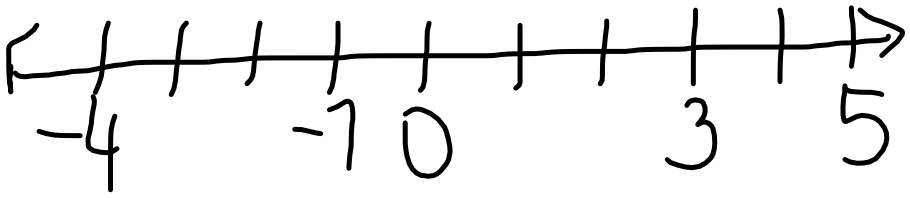
④ $0, -1, 3, -4, 5 \Leftarrow$

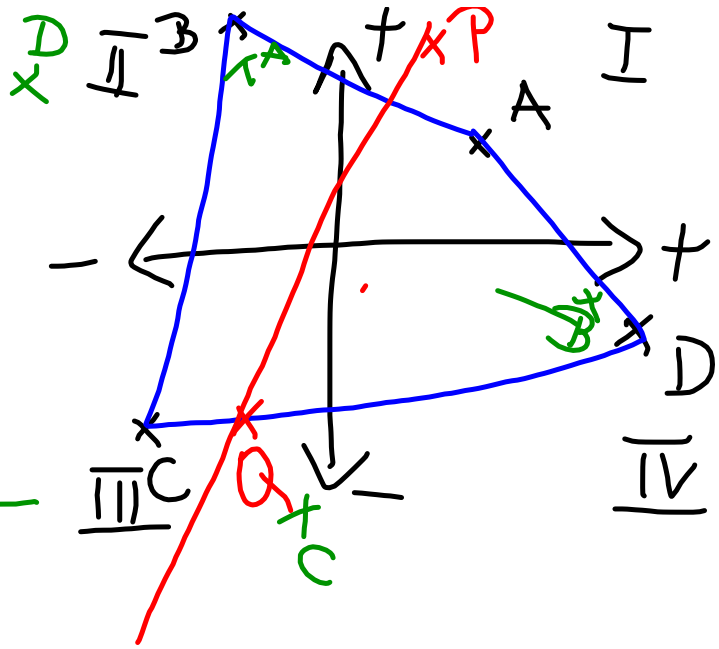


$5 \geq 3 > 0 > -1 > -4$

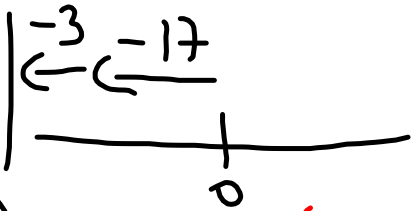
$-4 \leq -1 < 0 < 3 < 5$

A (3|2) I.
B (-2|5) II.
C (-4|-4) III.
D (6|-2) IV.

S P (2|4)
Q (-2|-4)



$(-17)+(-3)=$



$-17-3=-20$

$(-16)-(-4)+(-10)$

$-16+4-10=-12-10=-22$

$(-7)\cdot(+2)=-14$

$(-7)\cdot(-2)=+14$

$(+7)\cdot(+2)=+14$

$(+7)\cdot(-2)=-14$

$3a+2b+4a-b=7a+b$

A: $4a^2-3b^2+a^2-b^2+a^2b^2-c^2=$

E: $5a^2-4b^2+a^2b^2-c^2$

$a=2$
$b=3$
$c=4$

A: $4\cdot 2^2-3\cdot 3^2+2^2-3^2+2^2\cdot 3^2-4^2=$

$16-27+4-9+36-16$

$5\cdot 2^2-4\cdot 3^2+2^2\cdot 3^2-4^2$

$20-36+36-16=4$

A = E $4=4$

wtbw.