ZAD 1 c

$$(3x-3)^2-(x+5)^2=8x^2$$

$$9x^2-18x+9-(x^2+10x+25)-8x^2=0$$

$$9x^2-18x+9-x^2-10x-25-8x^2=0$$

$$-28x-16=0$$

$$-28x=16 \quad :|-28$$

$$x=-\frac{16^4}{28_7}=-\frac{4}{7}$$

SPRAWDZ.

$$\left(3\cdot\left(-\tfrac{4}{7}\right)-3\right)^2-\left(-\tfrac{4}{7}+5\right)^2=$$

$$=\left(-\tfrac{12}{7}-\tfrac{21}{7}\right)^2-\left(\tfrac{-4+35}{7}\right)^2=$$

$$=\left(-\tfrac{33}{7}\right)^2-\left(\tfrac{31}{7}\right)^2=$$

$$=\frac{1089}{49}-\frac{961}{49}=\frac{128}{49}$$

$$8\cdot\left(-\tfrac{4}{7}\right)^2=8\cdot\tfrac{16}{49}=\frac{128}{49}$$

L=P ok