Imię i nazwisko .......................................................................................................... klasa ............

# **Karta pracy - wyrażenia algebraiczne cz.2**

# **Zad.1. Zapisz wyrażenia nie używając nawiasów. Zredukuj wyrazy podobne.**

|  |  |  |
| --- | --- | --- |
| a | $$6x+\left(3x-5\right)=$$ |  |
| b | $$4a-\left(6-7a\right)=$$ |  |
| c | $$\left(5m+8\right)-m=$$ |  |
| d | $$\left(2p-4\right)-\left(5+9p\right)=$$ |  |
| e | $$-\left(5a-3b\right)+\left(8b-a\right)=$$ |  |
| f | $$-\left(2x^{2}-6xy\right)-\left(5y-4x^{2}\right)+\left(-xy-2y\right)=$$ |  |

# **Zad.2. Zapisz wyrażenia w jak najprostszej postaci.**

|  |  |  |
| --- | --- | --- |
| a | $$7\left(4-2y\right)=$$ |  |
| b | $$-6\left(2x+1\right)=$$ |  |
| c | $m\left(4m+2n-1\right) $= |  |
| d | $$2\left(6-3x\right)+4\left(x+1\right)=$$ |  |
| e | $$8\left(p-1\right)-2\left(2-3p\right)=$$ |  |
| f | $$-3x\left(2,5-x\right)+2\left(1,5-x\right)=$$ |  |

# **Zad.3. Przekształć ilorazy na sumy.**

|  |  |  |
| --- | --- | --- |
| a | $$\left(-3+6y\right) :3=$$ |  |
| b | $$\left(8x^{2}-4x\right) :\left(-2\right)=$$ |  |
| c | $$\frac{6a+3b}{3}=$$ |  |
| d | $$\left(5m-n+1\right): \frac{1}{3}=$$ |  |

# **Zad.4. Wykonaj mnożenie i zredukuj wyrazy podobne.**

|  |  |  |
| --- | --- | --- |
| a | $$\left(6+x\right)\left(2x+1\right)=$$ |  |
| b | $$\left(3t-7\right)\left(t-2\right)=$$ |  |
| c | $$\left(xy-x\right)\left(3xy+5x\right)=$$ |  |
| d | $$(2a-1)^{2}=$$ |  |
| e | $$\left(3m-1\right)\left(-m^{2}+2m-2\right)=$$ |  |
| f | $$\left(2y+1\right)\left(y-3\right)-2y\left(3-y\right)=$$ |  |