$\qquad$

Learning Outcomes Covered:
5D: I can simplify polynomials by combining like terms.
CONTENT Assessment Questions:

1. Use algebra tiles to model each polynomial, then combine like terms. Sketch the tiles for the simplified polynomial.

b) $-3 y^{2}+3 y-2=-3 y^{2}+3 y-2$

2. Simplify each polynomial.
a) $7 d-2 d+1-6$
b) $-5-3-k-5 k$
$=5 d-5$
$=-6 k-8$

$$
\text { c) } \begin{aligned}
& -4+2 a+7-4 a \\
= & -2 a+3
\end{aligned}
$$

e) $d^{2}+3 d+1+4 d^{2}+2$
f) $-6 x^{2}+10 x-4-12 x-7 x^{2}$

$$
=5 d^{2}+3 d+3
$$

$$
=-13 x^{2}-2 x
$$

$\qquad$

CURRICULAR COMPETENCIES Questions:

1. From the list, identify terms that are like $2 w^{2}$. Explain how you know using words or pictures. (CoRp)


They all have the same variable \& exponent
2. From the six expressions below, identify the equivalent polynomials. Justify your responses. (CoRp)
a) $-5 y^{2}-3 y-4$
b) $10 x-1$
c) $1+x-x^{2}$
d) $2 y^{2}-4-16-7 y^{2}-3 y+16$
e) $-7+5 x-7 x-8+14+12 x$
f) $5 x^{2}+7+4 x-6 x^{2}-6-x-2 x$

e) $-7+5 x-7 x-8+14+12 x$

$$
=10 x-1 \text { Same as b) }
$$



$$
=-x^{2}+x+1 \text { same as c) }
$$

ONGOING LEARNING ACTIVITIES:
CORE: Page 222: Curricular Competencies: 6, 9, 10, 18
Content: $8,(11,12,13,14,15)$ do at least 3 from each, 19
ADVANCED: Page 224: 20adf, 21, 22

