

LESSON

Algebra Lab Recording Sheet pp. 482–483**7-6** *Model Polynomial Addition and Subtraction***Try This**

Use algebra tiles to find each sum.

1. $(-2x^2 + 1) + (-x^2)$

Answer _____

2. $(3x^2 + 2x + 5) + (x^2 - x - 4)$

Answer _____

3. $(x - 3) + (2x - 2)$

Answer _____

4. $(5x^2 - 3x - 6) + (x^2 + 3x + 6)$

Answer _____

5. $-5x^2 + (2x^2 + 5x)$

Answer _____

6. $(x^2 - x - 1) + (6x - 3)$

Answer _____

LESSON **Algebra Lab Recording Sheet** pp. 482–483**7-6** **Model Polynomial Addition and Subtraction** continued

Use algebra tiles to find each sum.

7. $(-6x^2 + 4x) - 3x^2$

Answer _____

8. $(2x^2 + x - 7) - 5x$

Answer _____

9. $(3x + 6) - 6$

Answer _____

10. $(8x + 5) - (-2x)$

Answer _____

11. $(x^2 + 2x) - (-4x^2 + x)$

Answer _____

12. $(3x^2 - 4) - (x^2 + 6x)$

Answer _____

13.

+

-

 represents a zero pair. Use algebra tiles to model two other zero pairs.

14. When is it not necessary to “add the opposite” for polynomial subtraction using algebra tiles?
