

MA241
Homework #3

1. Due Wednesday, September 25

- (a) Teacher's Guides for Investigations 1 of Covering and Surrounding. Answer only the following: Problem 1.3 Follow-Up, Problem 1.4, Problem 1.4 Follow-Up, Mathematical Reflections 1–3.
- (b) Teacher's Guides for Investigations 2 of Covering and Surrounding. Answer only the following: Mathematical Reflections 1–3.
- (c) Teacher's Guides for Investigations 3 of Covering and Surrounding. Answer only the following: Problem 3.2, Mathematical Reflections 1–3. In particular, give a complete explanation for your answers to the Mathematical Reflections.
- (d) Teacher's Guides for Investigations 4 of Covering and Surrounding. Answer only the following: Connections Problem 9, Mathematical Reflections 1–3. In particular, give a complete explanation for your answers to the Mathematical Reflections.
- (e) My Covering and Surrounding Extensions 1, Problem 1. Justify your answers.
- (f) My Covering and Surrounding Extensions 2, Problems 1–2. Justify your answers.
- (g) My Covering and Surrounding Extensions 3, Problems 7, 9–10. Justify your answers.
- (h) My Covering and Surrounding Extensions 4, Problems 1, 3–4, 8. Justify your answers.

2. Due Wednesday, October 2

- (a) Teacher's Guides for Investigations 5 of Covering and Surrounding. Answer only the following: Problem 5.1, Problem 5.2.
- (b) Teacher's Guides for Investigations 6 of Covering and Surrounding. Answer only the following: Problem 6.2, Extensions Problem 23.
- (c) Teacher's Guides for Investigations 7 of Covering and Surrounding. Answer only the following: Problem 7.3 Follow-Up, Problem 7.4, Problem 7.5, Extensions Problem 17.
- (d) My Covering and Surrounding Extensions 5, Problems 1–2.
- (e) My Covering and Surrounding Extensions 6, Problems 1–5.
- (f) My Covering and Surrounding Extensions 7, Problem 2.