

Section 4.2 – Graphing Functions and Relations

Problem Set 1

1. $\{ (0, 0), (2, 5), (4, 4) \}$
 2. $\{ (0, -4), (6, 3), (-2, -2), (4, -2), (6, 0) \}$
 3. $\{ (-2, 5), (0, 5), (1, 6), (8, 3), (0, 8) \}$
 4. $\{ (-40, 101), (36, 51), (36, 90), (-36, 42) \}$
 5. $f: x \rightarrow -2x + 4, D = \{ 2, 4, 6 \}$
 6. $f: x \rightarrow (x + 10) / 4, D = \{ -4, 0, 2, 4 \}$
 7. $f: x \rightarrow x - 12, D = \{ 11, -10, 21, -21 \}$
 8. $f: x \rightarrow x \cdot x - 3, D = \{ -4, -3, 5, 7 \}$
9. Which of the relations in exercises 1-8 are functions?