

Section 4.2 – Graphing Functions and Relations

Problem Set 2

1. $\{ (4, 0), (2, 6), (4, 4) \}$
 2. $\{ (0, -4), (7, 8), (-2, 3), (4, 12), (6, 0) \}$
 3. $\{ (-2, 2), (0, 12), (6, 6), (8, 13), (0, 8) \}$
 4. $\{ (-40, 101), (46, 53), (26, 90), (36, -91) \}$
 5. $f: x \rightarrow 2x + 4, D = \{ 6, 8, 12 \}$
 6. $f: x \rightarrow (x - 3) / 4, D = \{ -7, 1, 2, 4 \}$
 7. $f: x \rightarrow 2x + 31, D = \{ 11, -11, 21, -21 \}$
 8. $f: x \rightarrow 3x \cdot (x + 1), D = \{ -8, -3, 0, 2 \}$
9. Which of the relations in exercises 1-8 are functions?