

Section 4.2 – Graphing Functions and Relations

Problem Set 3

1. $\{ (12, 0), (3, 7), (5, 5) \}$
 2. $\{ (-3, -5), (7, 7), (-3, 4), (5, 8), (7, 0) \}$
 3. $\{ (-4, 3), (1, 3), (7, 7), (9, 4), (0, 9) \}$
 4. $\{ (-38, 112), (49, 55), (33, 112), (-32, 113) \}$
 5. $f: x \rightarrow (x + 5) / 5, D = \{ -5, 0, 4, 5 \}$
 6. $f: x \rightarrow 5x + 5, D = \{ 3, 5, 7 \}$
 7. $f: x \rightarrow x \cdot x + 2x - 1, D = \{ -6, -4, 0, 3 \}$
 8. $f: x \rightarrow 3x + 39, D = \{ 15, -13, 24, -23 \}$
9. Which of the relations in exercises 1-8 are functions?