

Unit 3: HW #7

Check graphs in class

1. Quadratic

$$D: \mathbb{R}, R: y \geq -2$$

2

$$-\infty, \infty$$

$$(-5, \infty)$$

$$(-\infty, -5)$$

4) Abs. value

$$D: \mathbb{R}, R: y \geq 0$$

1

$$-\infty, \infty$$

$$(-4, \infty)$$

$$(-\infty, -4)$$

2. Linear

$$D: \mathbb{R}, R: \mathbb{R}$$

1

$$-\infty, \infty$$

N/A

$$(-\infty, \infty)$$

5) Quadratic

$$D: \mathbb{R}, R: y \leq 7$$

2

$$-\infty, \infty$$

$$(-\infty, 0)$$

$$(0, \infty)$$

3. Quadratic

$$D: \mathbb{R}, R: y \leq 4$$

2

$$-\infty, -\infty$$

$$(-\infty, 2)$$

$$(2, \infty)$$

6) Abs. value

$$D: \mathbb{R}, R: y \leq 4$$

2

$$-\infty, -\infty$$

$$(-\infty, 2)$$

$$(2, \infty)$$

7. Linear

$D: \mathbb{R}, R: \mathbb{R}$

1

$-\infty; \infty$

$(-\infty, \infty)$

N/A

8. Absolute value

$D: \mathbb{R}, R: y \leq 6$

2

$-\infty; \infty$

$(-\infty, -3)$

$(-3, \infty)$