

HOMWORK:

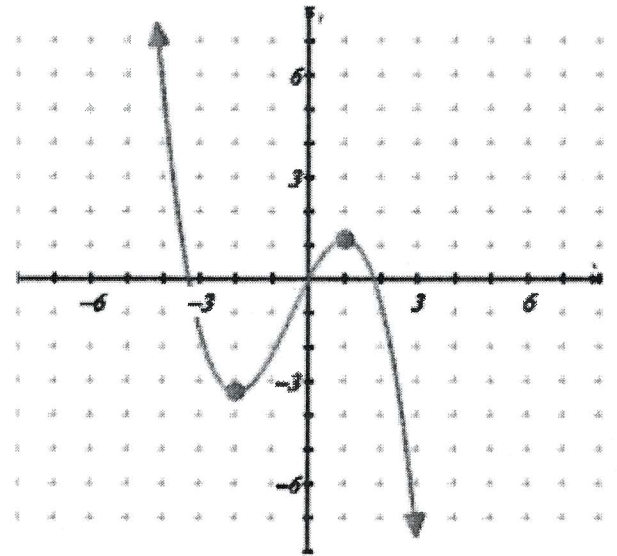
KEY FEATURES OF GRAPHS



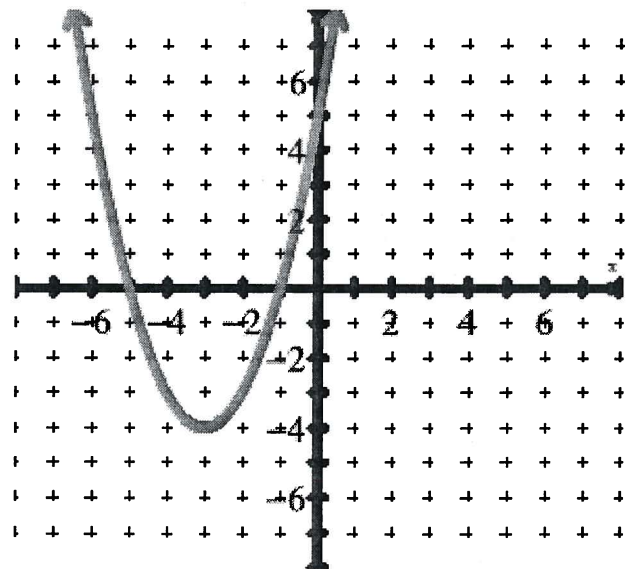
NAME: _____

DAY 2

1. Relative Max: 1
- Relative Min: -3
- Absolute Max: None
- Absolute Min: None
- Y-intercept: (0, 0)
- Zeros: -3.2, 0, 1.9



2. Relative Max: None
- Relative Min: -4
- Absolute Max: None
- Absolute Min: -4
- Y-intercept: 5
- Zeros: -5, -1



Identify the slope and y intercepts for the equations below.

3. $y = 7$ $y = 0x + 7$
 $m = 0$, no slope
 $b = 7$

4. $y = \frac{1}{2}x - 4$
 $m = \frac{1}{2}$
 $b = -4$

Identify the x and y intercepts for the equations below.

5. $4x - 2y = 8$

x-int: $4x - 2(0) = 8$

$$\frac{4x}{4} = \frac{8}{4}$$

$$x = 2 \quad \boxed{(2, 0)}$$

y-int: $4(0) - 2y = 8$

$$-2y = 8$$

$$y = -4 \quad \boxed{(0, -4)}$$

6. $3x - y = -6$

x-int: $3x - 0 = -6$

$$\frac{3x}{3} = \frac{-6}{3}$$

$$x = -2 \quad \boxed{(-2, 0)}$$

y-int: $3(0) - y = -6$

$$-y = -6$$

$$y = 6 \quad \boxed{(0, 6)}$$

Graph each line.

7. $y = -3x - 1$

$$m = -3$$

$$b = -1$$

8. $2y - 4x = 8$

x	y
0	4
-2	0

9. $y = 2$

Horiz

