1. y = x2 – 10x + 24



Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

2. y = x2 – 10x - 24

 

Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

3. y = x2 – 15x + 56



Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

4. y = x2 – 13x + 12



Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

5. y = x2 + 23x + 22



Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

6. y = x2 – 19x + 90



Max or min?\_\_\_\_\_\_\_\_\_\_\_

Vertex\_\_\_\_\_\_\_\_\_

Axis of symmetry\_\_\_\_\_\_\_\_\_\_\_

Roots\_\_\_\_\_\_\_\_

7. Suppose that the equation V = 20.8x2 – 458.3x + 3,500 represents the value of a car from 1964 to 2002. What year did the car have the least value? (x = 0 in 1964)