

Student Name: \_\_\_\_\_

Period: \_\_\_\_\_

Date: \_\_\_\_\_

FIND THE AXIS OF SYMMETRY (AOS), VERTEX AND ROOTS FOR EACH EQUATION

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1:  $x^2 - 25 = 0$

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_

2:  $x^2 - 17 = 0$

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_

3:  $x^2 - 8100 = 0$

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_

4:  $7x^2 - 7 = 0$  (Hint: Divide the Equation by 7)

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_

5:  $x^2 - \frac{1}{16} = 0$

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_

6:  $\frac{1}{2}x^2 - 8 = 0$

AOS : \_\_\_\_\_

Vertex : \_\_\_\_\_

Roots : \_\_\_\_\_