NAME:_____

1. Identify the following curve: $x^2 = 4 - y^2$

    [A] ellipse   [B] circle   [C] hyperbola   [D] parabola

2. Identify the following curve: $100x^2 = 49 + 25y^2$

    [A] parabola   [B] ellipse   [C] hyperbola   [D] circle

3. Identify the following curve: $100x^2 = 121 - 121y^2$

    [A] parabola   [B] hyperbola   [C] circle   [D] ellipse

4. Indicate whether the following equation when graphed will be a parabola, circle, ellipse, or hyperbola.
    $x^2 = 16 - y^2$

    [A] parabola   [B] circle   [C] ellipse   [D] hyperbola

5. Indicate whether the following equation when graphed will be a parabola, circle, ellipse, or hyperbola.
    $x = y^2 - 10$

    [A] hyperbola   [B] parabola   [C] circle   [D] ellipse

6. Indicate whether the following equation when graphed will be a parabola, circle, ellipse, or hyperbola.
    $100x^2 = 64 - 144y^2$

    [A] ellipse   [B] parabola   [C] hyperbola   [D] circle

7. Identify the following curve: $36x^2 = 25 + 49y^2$

8. Identify the following curve: $x = y^2 + 11$

9. Identify the following curve: $x^2 = 121 - y^2$

10. Identify the following curve: $36x^2 = 100 - 100y^2$

[1]   B _____

[2]   C _____

[3]   D _____

[4]   B _____

[5]   B _____

[6]   A _____

[7]   hyperbola _____

[8]   parabola _____

[9]   circle _____

[10]   ellipse _____