1. Find the midpoint of the segment AB between the points A(6,10) and B(6,-4).
2. Find the points on the y-axis that are 4 units from P(1,9).
3. Find the point with coordinates of the form (2a,a) that is in the third quadrant and is a distance 9 from P(2,5).
4. Find the center and radius of the circle.

$$x^{2}+y^{2}+16x-18y+96=0.$$

1. Determine whether f is even, odd, or neither.

f(x) = 5x5 – 3x4

1. Find the slope between the points A(-3,6) and B(7,-2).
2. Find the slope-intercept form of the line with the x-intercept 13 and y-intercept -10.
3. Find the domain of f.

f(x) = $\sqrt{x^{2}-16.}$

1. Find the distance between the points A(-3,4) and B(7,5).
2. Find the equation of the upper half of the circle.

(x-3)2 + (y+4)2 = 31

1. Find f(a) if f(x) = 3x2 – 2x + 1.