Trigonometry Worksheet 6 - Answers

1. Describe the difference between the graphs of $f(x) = 5x^2$ and $g(x) = 10x^2$

2. Describe the difference between $f(x) = -5x + 2$ and $g(x) = -5x$

3. Describe the difference between $f(x) = 4x^2 + 6$ and $g(x) = -4x^2 - 6$

4. Describe the difference between $f(x) = x^3$ and $g(x) = x^3 + 1$

5. Is the function $x^2 + y^2 = 8$ even or odd?

6. Is the function $y = 2(x + 4)^2$ even or odd?

7. How does the graph of $f(x) = x^2 + 5x$ and $g(x) = (x + 2)^2 + 5x + 10$ relate to each other?

8. How does the graph of $f(x) = \sin(x)$ and $g(x) = 0.5\sin(x)$ relate to each other?

9. How can you sketch the graph of $f(x) = 5x^2$, using the graph of $g(x) = -5x^2$.

10. How can you sketch the graph of $g(x) = (x + 2)^2 + \frac{3}{5}$, using the graph of $f(x) = -5x^2$.