Trigonometry Worksheet 6 - Answers

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

odd?

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

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

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

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

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

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

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

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

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

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