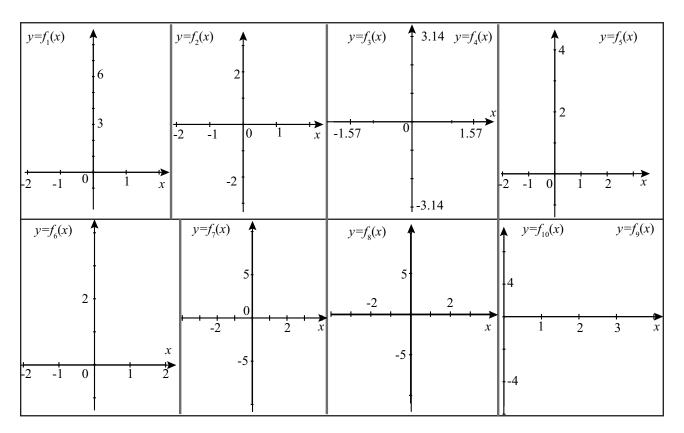
Functions Worksheet 4



- 1. Sketch $f_1(x) = 5x + 7$.
- 2. Sketch $f_2(x) = x^2 2$.
- 3. Sketch $f_3(x) = \sin(x + 1.57)$
- 4. Add the sketch of the inverse $f_4(x)$ of $f_3(x) = \sin(x + 1.57)$ to the above graph.
- 5. Sketch $f_5(x) = |2x 1|$

- 6. Sketch $f_6(x) = |x^2 2|$ for $|x| \le 2$.
- 7. Sketch $f_7(x) = \frac{x+3}{4x-2}$ for $|x| \le 4$.
- 8. Sketch $f_8(x) = \frac{1}{3}x^4 \frac{1}{3}x^3 3x^2 + 3x$.
- 9. Sketch $f_9(x) = 10^{\frac{x}{3}} + 1$ for $x \ge 0$.
- 10. Add the sketch of the inverse $f_{10}(x)$ of $f_9(x) = 10^{\frac{x}{3}} + 1$ to the above graph.

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