

Linear or Nonlinear Functions

WS #1

Determine whether each function is linear or nonlinear.

1) $y = -6x + 8$

2) $y = 3x^2 - 1$

3) $y = 1 - \frac{3}{5}x$

4) $y = \sqrt{7}x + \sqrt{2}$

5) $y = \frac{x^3}{2} + 9x$

6) $y = 12x$

7) $y = \frac{1}{2}$

8) $y = -7x - 1$

9) $y = 6x - \frac{2}{5}$

10) $y = x^2 + x - 4$
