

Assignment 3.3

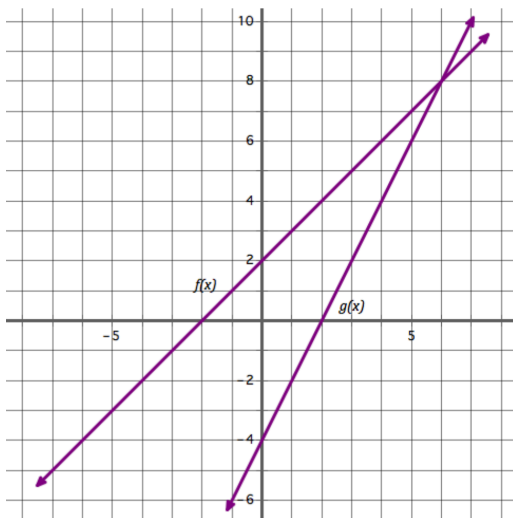
Add or subtract, write answers in standard form.

1.  $(3x^4 + 5x^2 - 1) + (2x^3 + x)$                       2.  $(4x^2 + 7x - 4) + (x^2 - 7x + 14)$

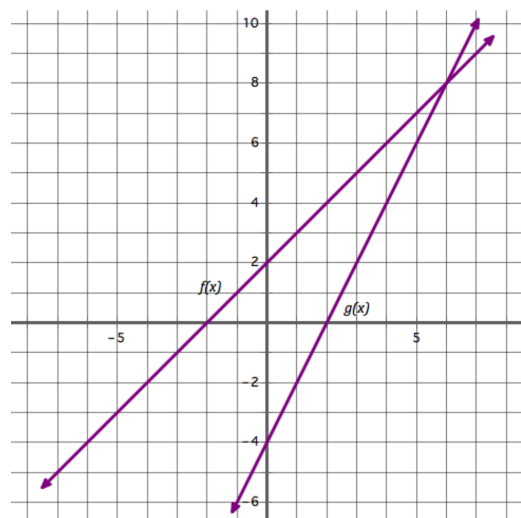
3.  $(2x^3 + 6x^2 - 5x) + (x^5 + 3x^2 + 8x + 4)$     4.  $(5x^2 + 7x + 2) - (3x^2 + 6x + 2)$

5.  $(10x^4 + 2x^2 + 1) - (3x^4 + 3x + 11)$         6.  $(7x^3 - 3x + 7) - (4x^2 - 3x - 11)$

7.  $f(x) + g(x)$



8.  $f(x) - g(x)$

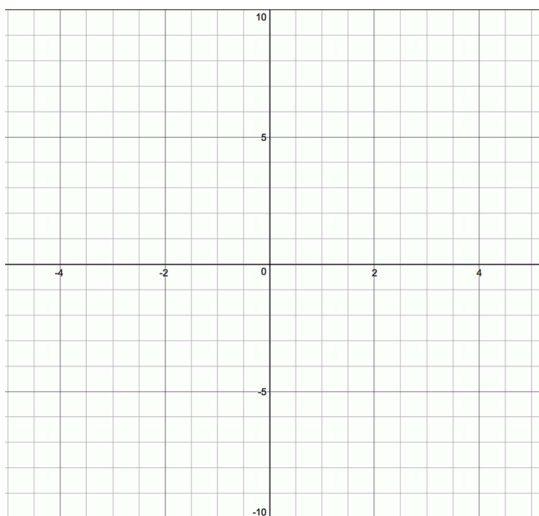


Refresh Your Memory

Graph each polynomial function.

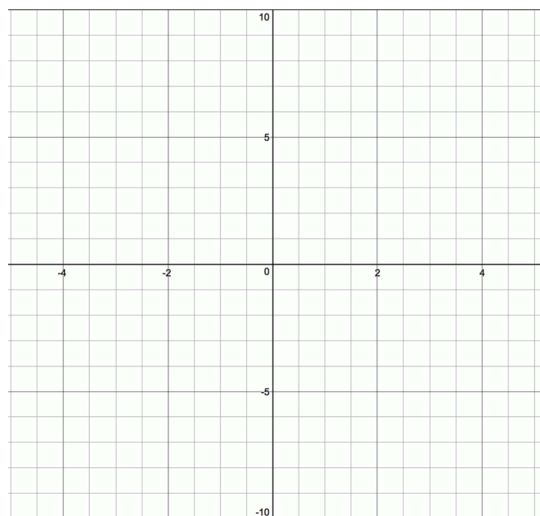
9.  $f(x) = x^3 - 2$

Transformation:



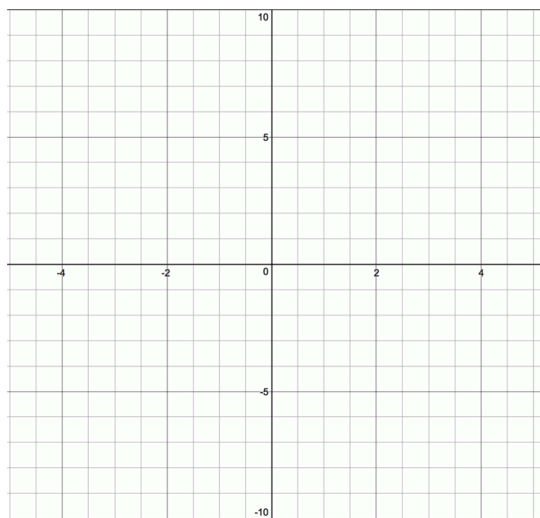
10.  $g(x) = x^3 + 1$

Transformation:



11.  $h(x) = (x - 3)^3$

Transformation:



12.  $k(x) = (x + 1)^3$

Transformation:

