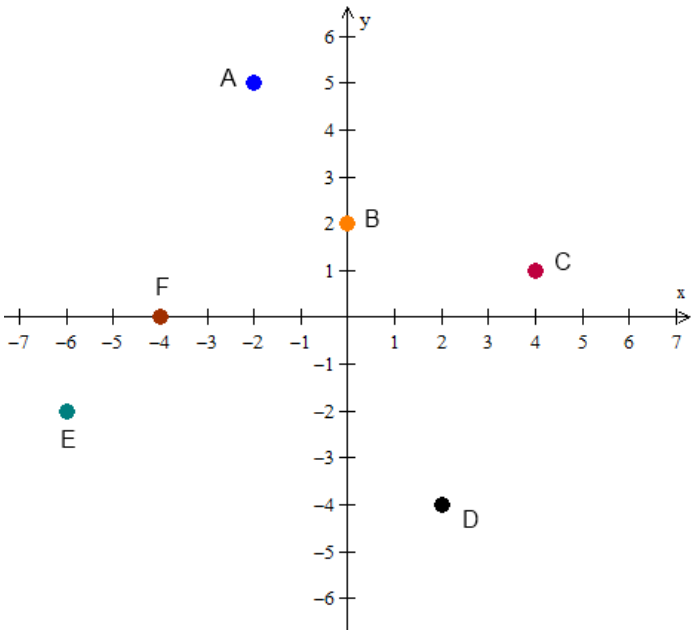
Homework: Graphs of Equations

1. Determine the coordinates of each of the points plotted. Tell in which quadrant or on what coordinate axis each point lies.



2. Plot each point in the xy-place. Tell in which quadrant or on what coordinate axis each point lies.

A (2, 1)
B (3, -2)
C (0, 4)
D (5,0)
E (-2, -4)
F (-1, 6)

In Problems 3-15, graph each equation

3. $y = x + 4$	4. $y = 3x - 1$
5. $y = \frac{-2}{3}x$	6. $y = -2x + 4$
7. $y = \frac{1}{4}x - 2$	8. $3x - y = 4$
9. $y = (x+3)^2$	10. $y = -3x^2 + 2$
11. $y = \lvert x - 4 \rvert$	12. $y = 2\lvert x + 1 \rvert - 3$

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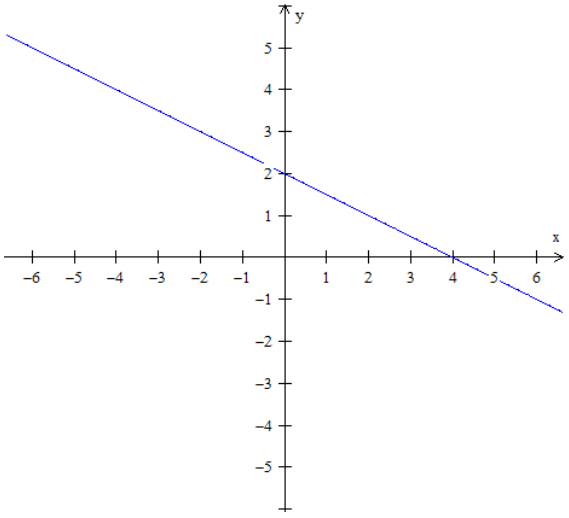
13. $y = -x^3 + 2$	14. $y = 2x^3 - 3$
15. $x^3 - y = 2$	

In Problems 16-17, the graph of an equation is given. List the intercepts of the graph

16.



17.