

Jefferson Township Public Schools

Summer Assignment for students entering Algebra 2 CP

**This assignment will count as a formative assessment and
is due on the second class meeting of the school year.**

Algebra 2 CP Summer Assignment

Simplify.

1) $\left(-\frac{13}{8}\right) + \frac{3}{8}$

2) $\frac{1}{7} \cdot -\frac{3}{5}$

3) $\frac{-13}{9} \div \frac{4}{3}$

4) $\sqrt{75}$

5) $\sqrt{128}$

6) $\sqrt{98}$

Factor the common factor out of each expression.

7) $7a^5 - 21a^4 + 7a^3$

8) $30m^7 + 24m^8 + 21m^{10}$

9) $42k^8 - 30k^9 + 6k^{10}$

Solve.

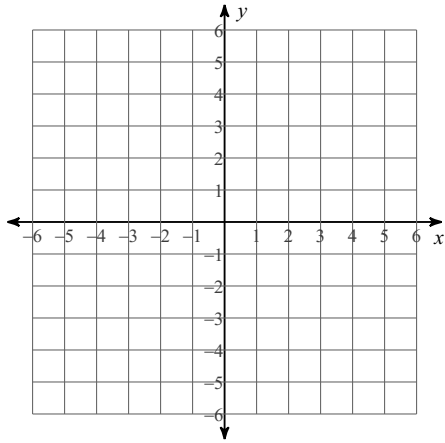
10) $-4(2a - 6) - 2 = 3(5 - 5a)$

11) $1 - 7(-3x - 1) = 7(x - 6) + 4x$

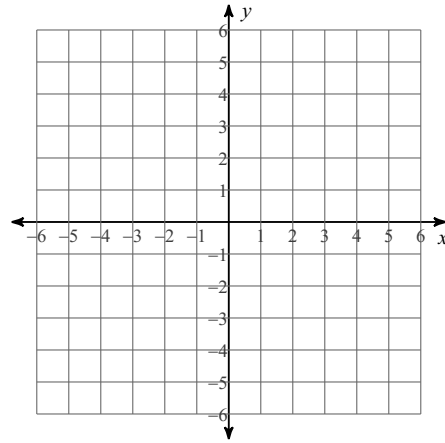
12) $\frac{p-1}{2} = \frac{3}{6}$

Sketch the graph of each line.

13) $y = -\frac{4}{3}x - 2$



14) $y = \frac{1}{5}x$



15) $y = x + 3$

