

Jefferson Township Public Schools

Summer Assignment for students entering Precalculus CP

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

Precalculus CP Summer Assignment

Evaluate each expression.

1) $\frac{5}{3} - \left(-\frac{5}{3}\right)$

2) $1 - \frac{1}{4}$

Find each product.

3) $-\frac{1}{3} \times \frac{1}{3}$

Solve each equation.

4) $-2 - 4v - 2 = 12$

5) $-7 - 3n + 3n = -8n + 7n$

6) $40 + 4x = 5(2 + 2x)$

Solve each equation by factoring.

7) $(n - 6)(n - 4) = 0$

8) $v^2 + 4v - 21 = 0$

9) $2n^2 + 3n - 9 = 0$

Simplify.

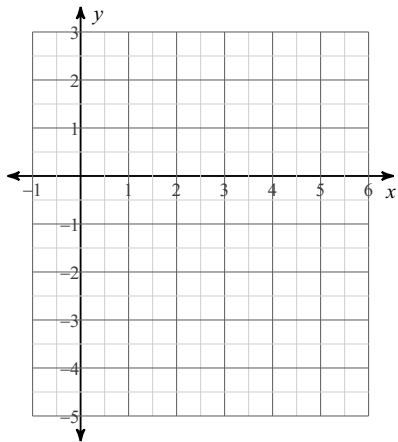
10) $4m \cdot 3m$

11) $(v^2)^4$

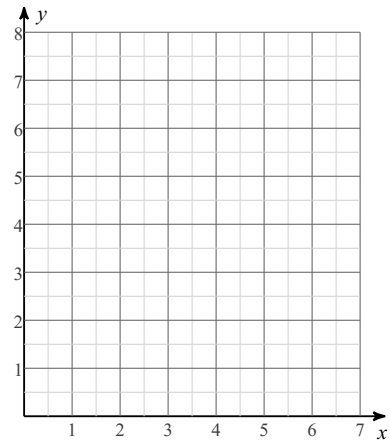
12) $(-2x^2 \cdot x^4)^3$

Sketch the graph of each function.

13) $y = (x - 4)^2 - 3$



14) $y = (x - 4)^2 + 3$



15) $y = -2(x - 2)^2 + 3$

