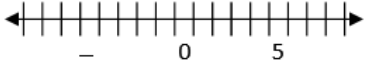


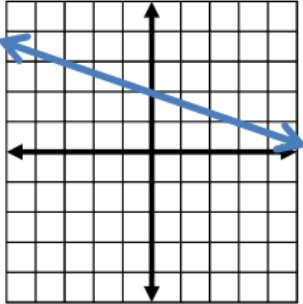
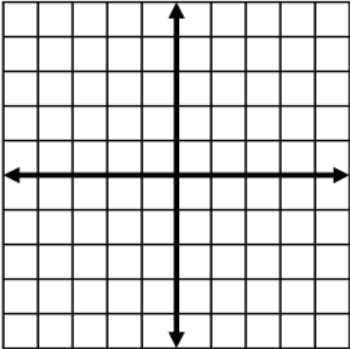
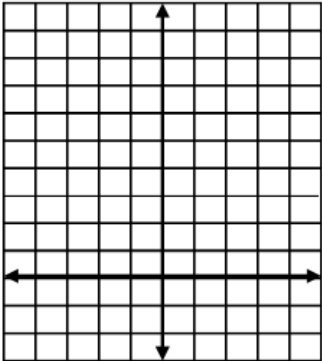
Mon Week 17

no warm-up

collab day

CW/HW: Semester 2 Final Exam
Review #1

<p>1. Simplify completely: $(7x^5y^{-4})^2$</p>	<p>2. Solve the system of equations for y. $\begin{cases} 5x - 3y = 31 \\ 4x + 2y = 16 \end{cases}$</p>	<p>3. Simplify completely: $\sqrt{40} \cdot \sqrt{80}$</p>
<p>4. Solve for x: $5x + 1 = 14$</p> <p>Answer: _____</p>	<p>5. Solve for t: $3 t - 2 < 12$</p>  <p>Answer: _____</p>	<p>6. Solve $4x - (3x - 1) - 3(x + 7) = 40$</p>
<p>7. Solve for x: $-8(x + 2) > (4)^3$</p>	<p>8. Solve: $3r - (7r + 2) = 12$</p>	<p>9. A food truck rents for \$375 a day plus \$0.15 per item sold. How many items were sold if the bill for the food truck was \$690.60?</p>

<p>10. At a little league game, hot dogs cost \$1.75 and sodas cost \$0.50. Suppose a parent has 7 kids and buys them each a soda. What is the greatest number of hot dogs the parent can buy and still pay less than \$12?(Use space in the a margin above for work)</p>	<p>11. What is the x-intercept of the line $4x + 2y = 8$?</p>	<p>12. Write the equation of the line graphed below.</p> 
<p>13. Draw a graph that is NOT a function.</p> 	<p>14. Does the point $(-12, -46)$ lie on the line defined by the equation $2x - 3y = 117$?</p>	<p>15. What is the equation for the line with slope -1, passing through the point $(7, 2)$?</p>
<p>16. Graph $y = 3^x$</p>  <p>What is the domain? Range?</p>	<p>17. Write the equation of a line that is perpendicular to $y = \frac{3}{2}x + 2$ through the point $(-6, 12)$.</p>	<p>18. The equation of the line l is $4x - 5y = 3$. Write an equation of a line that is:</p> <p>a) parallel to line l</p> <p>b) perpendicular to line l</p>

Domain: _____

Range: _____