Math 8 Quarter 1 Week 7 Weekly Spiral Review   Due 9/15/17
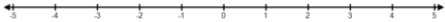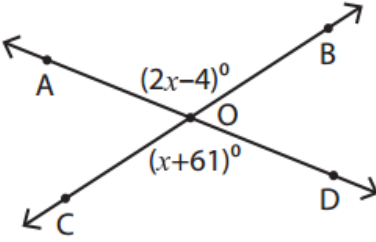
1) Hailey spends $460 for monthly bills. Of this amount she spends $\frac{1}{8}$ on her cell phone bill and 15% on her car payment. The remainder pays her utilities. How much money does she spend on utilities?	2) Solve: $3 - 4\frac{2}{5}$
3) One lap around a track is equal to one-third of a mile. Mandy, the horse, ran a distance of 12 laps in 2 minutes and 30 seconds. What was the horse's average speed in miles per minute?	4) Solve and graph. $$-6x \geq 18$$
5) Arjun wrote the numbers 1, 2, 3, 4, 5, 6, 7, and 8 and put them in a hat. What is the probability he will draw a number greater than 6?	6) Find the value of x.
7) A baker made two cakes of the same size. At the end of the day, there was $\frac{3}{4}$ of a carrot cake left. There was $\frac{4}{5}$ of a red velvet cake left. The baker divided the remaining carrot cake into 3 equal pieces and the remaining red velvet cake into 4 equal pieces. Which cake flavor had larger pieces and by how much?	8) Simplify $2\,(1\text{-}4)^2 + 42 \div (15\text{-}9)$
9) A teacher is collecting data on what TV show is the students' favorite. What would be a good method of surveying customers?	10) Find the area of the shaded region. The circle has a radius of 3 inches and the triangle has a base of 6 inches. Round to the nearest tenth.