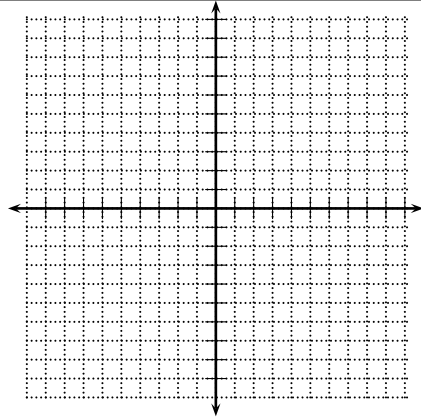
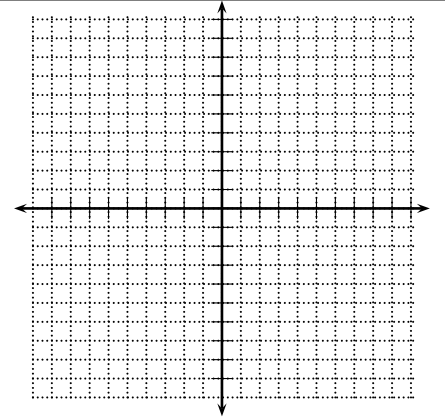


Section III Plot the expression on the Cartesian coordinate system. (5 pts. each)

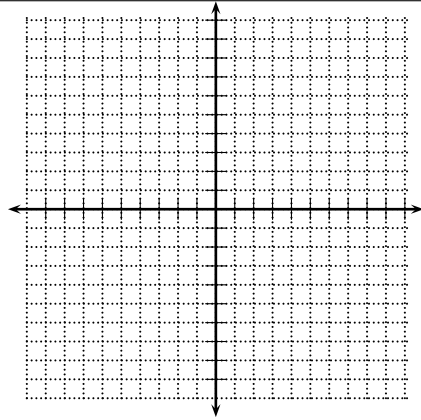
15) $y > 3$



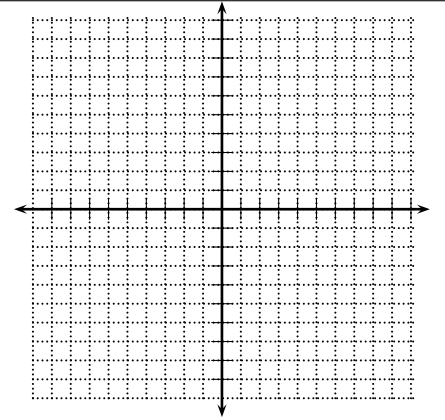
16) $x = -3$



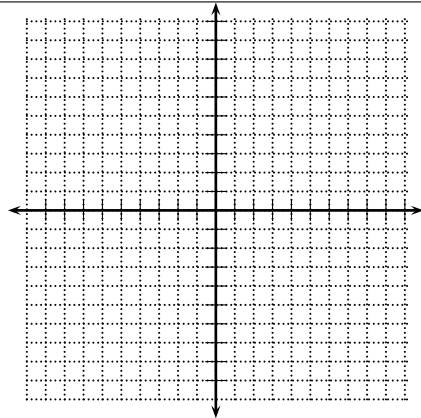
17) $3 = \frac{y-3}{x-3}$



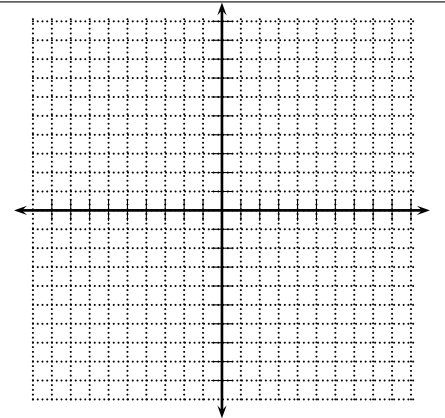
18) $-3 = \frac{y+4}{x-2}$



19) $3y = 6x - 9$



20) $x = 2y - 6$



Section IV Calculate the percent change. (3 pts. each)

21) From 12 to 18

22) From 200 to 75

23) A house purchased at \$420,000 in 2004 and sold for \$280,000 in 2010.

24) The average American weighed 140lbs in 1980 and 190lbs in 2008.

25) In 1984, one in three Americans self-identified as Republicans and in 2009, one in five did.

Section IV Solve. (5 pts. each)

26) A caterer charges \$300 flat fee plus \$7.50 for each meal served at a wedding reception. The total cost of the reception was \$1200. How many meals were served?

27) The formula to compute Fahrenheit temperature is $F = \frac{9}{5}C + 32$ where C is Celsius temperature. How do you compute Celsius temperature given Fahrenheit temperature?

28) At a state university in Tennessee, approximately 63%, or 5800, of the students enrolled in 2006 were female. What was the total enrollment in 2006 (rounded to the nearest hundred)?

29) A weight loss program offers two membership options. Option A is to pay a flat yearly rate of \$225. Option B is to pay a fee of \$5 for each weekly meeting attended. How many weeks would you have to attend before the total weekly rate exceeds the flat yearly rate?