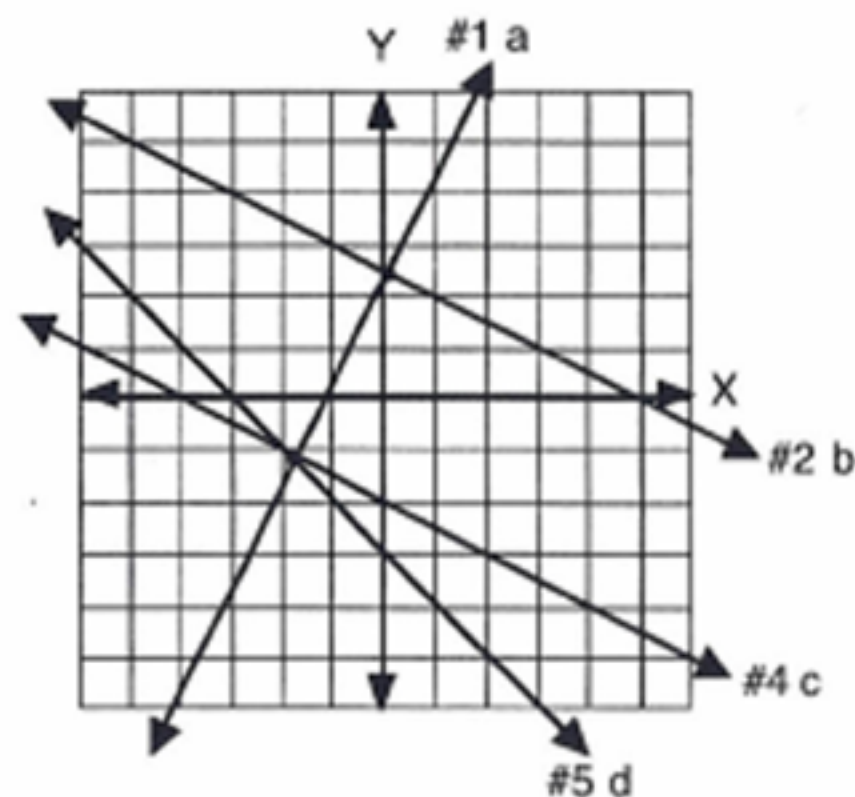
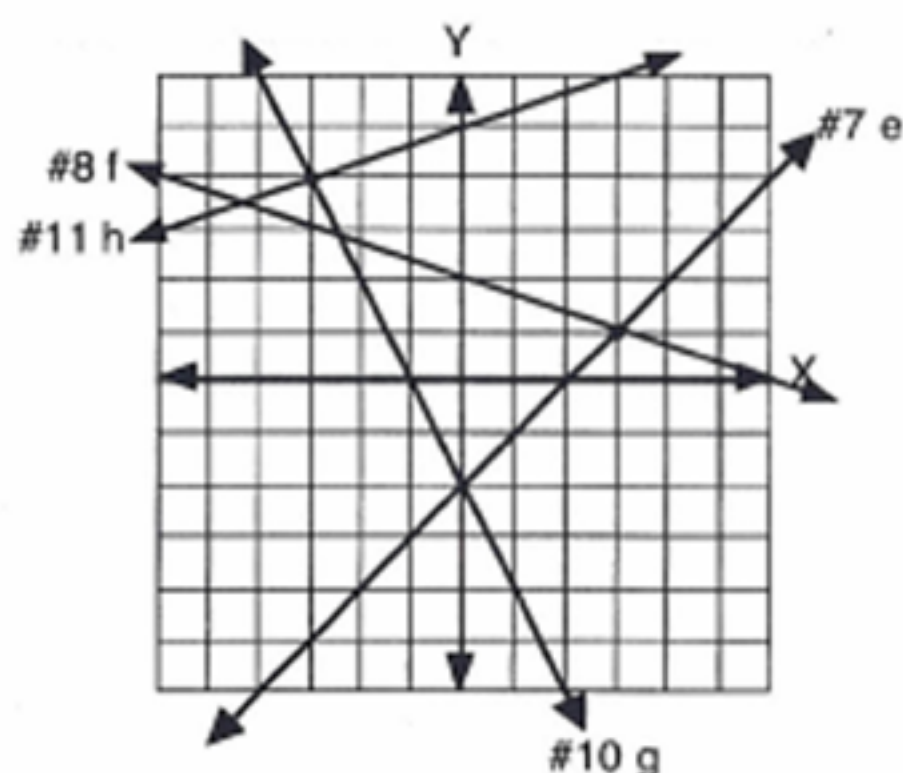


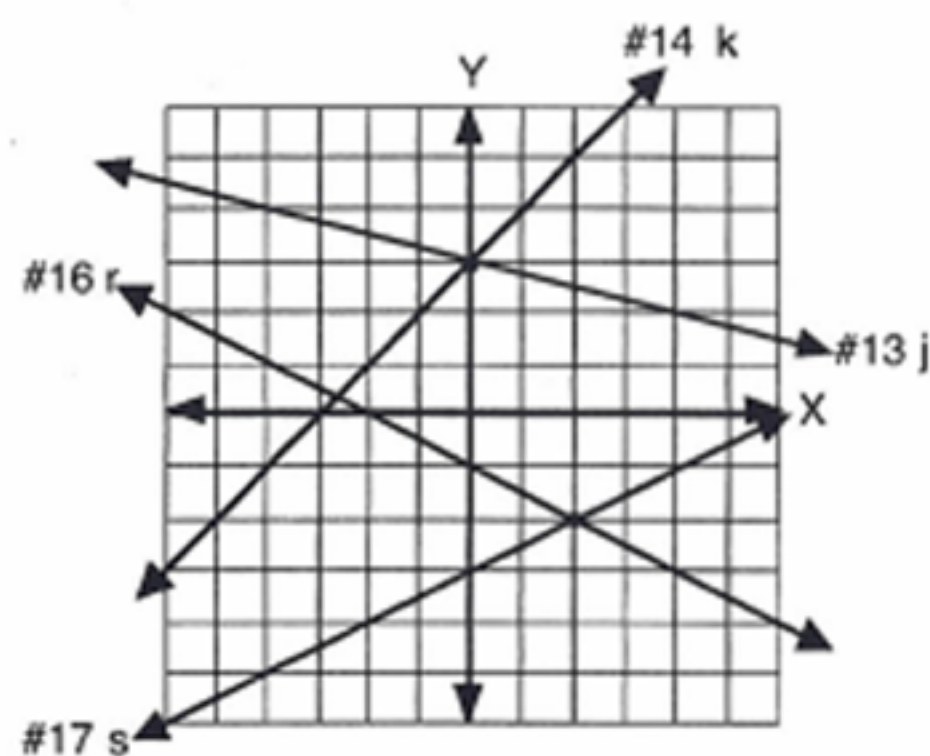
- 1) on the graph
- 2) on the graph
- 3) $(0, 5/2)$
- 4) on the graph
- 5) on the graph
- 6) $(-2, -1)$



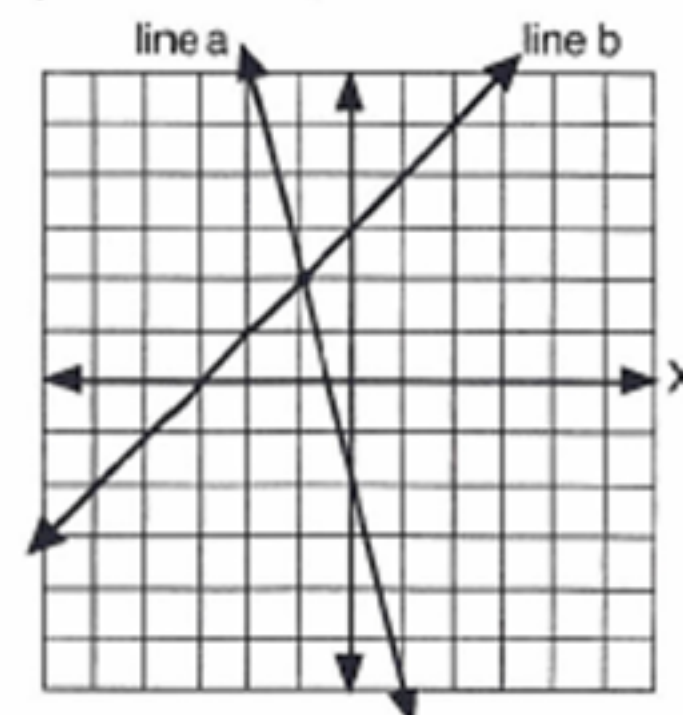
- 7) on the graph ($Y = X - 2$)
- 8) on the graph ($Y = -1/3 X + 2$)
- 9) $(3, 1)$
- 10) on the graph ($Y = -2X - 2$)
- 11) on the graph
- 12) $(-3, 4)$



- 13) on the graph ($Y = -1/4 X + 3$)
- 14) on the graph
- 15) $(0, 3)$
- 16) on the graph ($Y = -1/2 X - 1$)
- 17) on the graph
- 18) $(2, -2)$

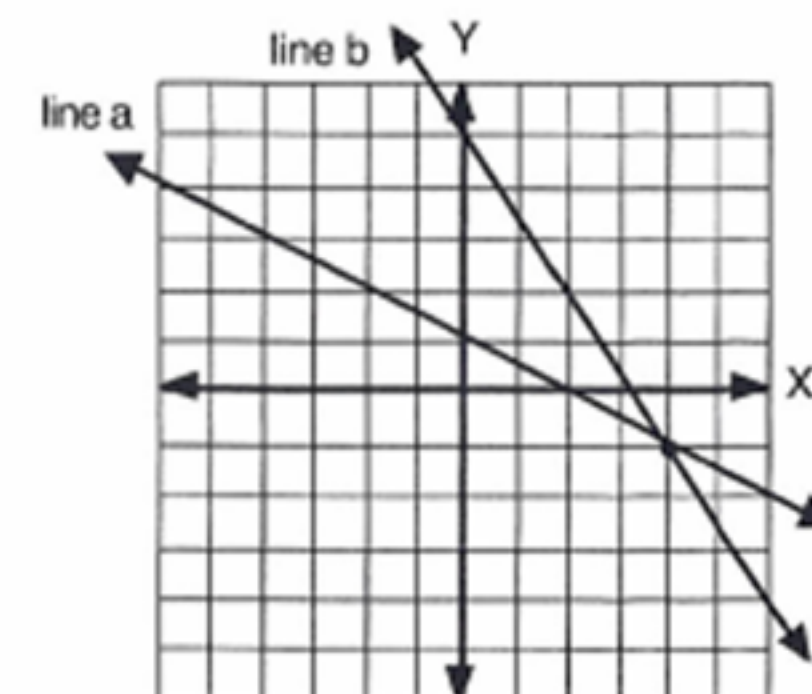


- 1) on the graph
- 2) on the graph
- 3) $(-1, 2)$
- 4) $(-3) = -4(1) + b, \quad b = 1$
- 5) $Y = -4X + 1, \quad 4X + Y = 1$



- 6) $\frac{-5 - 1}{-5 - 5} = \frac{-6}{-10} = \frac{3}{5} = m$
- 7) $(1) = 3/5(5) + b, \quad 1 = 3 + b, \quad b = -2$
- 8) $Y = 3/5 X - 2, \quad 5Y = 3X - 10 \Rightarrow -3X + 5Y = -10$
- 9) $m = 2/3$
 $(4) = 2/3(4) + b$
 $4 - 8/3 = b, \quad 4/3 = b$
- 10) $Y = 2/3 X + 4/3, \quad 3Y = 2X + 4 \Rightarrow -2X + 3Y = 4$
- 11) $8X - 3X + 7 = 4X + 8$
 $5X - 4X = 8 - 7, \quad X = 1$
- 12) $4(Q + 3) = 4(5)$
 $Q + 3 = 5, \quad Q = 2$
- 13) $5^2 \div 5 + 3(X + 7) = 2X + 27$
 $25 \div 5 + 3X + 21 = 2X + 27$
 $5 + X = 27 - 21, \quad X = 1$
- 14) $7^2 \times 2 - 4(Y + 11) = 3Y - 2$
 $49 \times 2 - 4Y - 44 = 3Y - 2$
 $54 - 4Y = 3Y - 2, \quad 56 = 7Y, \quad 8 = Y$
- 15) $\frac{3}{(30)} \frac{6}{10} \cdot \frac{10}{(30)} \frac{2}{2} X = \frac{30}{(30)} \frac{11}{1}$
 $18 - 20X = 330, \quad X = -15 \frac{6}{10} = -15 \frac{3}{5}$
- 16) $|-8 - 4| - 6Y = 32 \div |-8|$
 $12 - 6Y = 4, \quad 8 = 6Y, \quad Y = 1 \frac{1}{3}$
- 17) 7:45 to 2:15 is 6 1/2 hours
 $338 \div 6.5 = 52$ miles/hour
- 18) $338 \div 13 = 26$ mpg
- 19) 32, 64, 128 (double each number)
- 20) 8, 13 (add the previous two numbers)

- 1) on the graph
- 2) on the graph
- 3) $(4, -1)$
- 4) $(1) = -3/2(-1) + b, \quad b = -1/2$
- 5) $Y = -3/2 X - 1/2, \quad 3X + 2Y = -1$



- 6) $\frac{-4 - 2}{1 - (-4)} = \frac{-6}{5} = m = -6/5$ or $-1 \frac{1}{5}$
- 7) $(2) = -6/5(-4) + b, \quad b = -2 \frac{4}{5}$
- 8) $Y = -6/5 X - 14/5, \quad 6X + 5Y = -14$
- 9) $m = -4/3$
 $(-3) = -4/3(2) + b$
 $-1/3 = b$
- 10) $Y = -4/3 X - 1/3, \quad 4X + 3Y = -1$
- 11) $16X - 8X = 56, \quad X = 7$
- 12) $3(6A - 5) = 3(8), \quad 6A - 5 = 8, \quad A = 13/6 = 2 \frac{1}{6}$
- 13) $(1 - 7)^2 - 8N + 11 = -3$
 $36 - 8N = -14$
 $50 = 8N, \quad N = 50/8 = 6 \frac{1}{4}$
- 14) $.78 + .4 = 2X$
 $78 + 40 = 200X$
 $118 = 200X, \quad X = 118/200 = 59/100 = .59$
- 15) $.3 + .5A = 2A - 1.8$
 $3 + 5A = 20A - 18$
 $21 = 15A, \quad 21/15 = A = 1 \frac{6}{15} = 1 \frac{2}{5}$
- 16) $(4 - 8)^2 \times 6 - 3 \times 5^2 = 7Y$
 $16 \times 6 - 3 \times 25 = 7Y$
 $96 - 75 = 7Y$
 $21 = 7Y, \quad Y = 3$
- 17) 6:50 AM to 2:05 PM is 7.25 hours
 $348 \div 7.25 = 48$ miles/hour
- 18) $348 \div 14.5 = 24$ mpg
- 19) 36, 49, 64, 81 (count by one and square)
- 20) $1/162, 1/486, 1/1458$ ($\div$ previous # by 3)