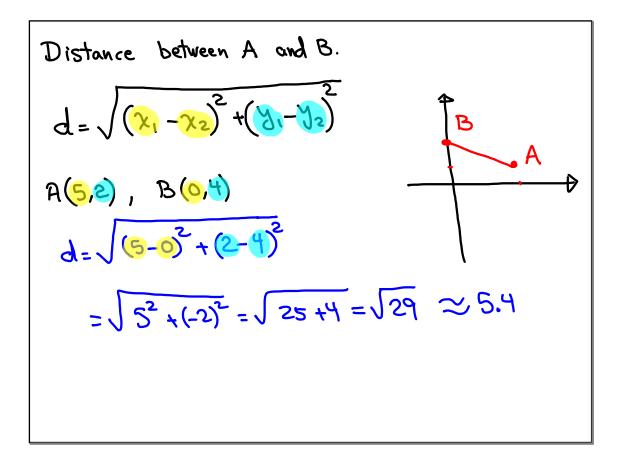
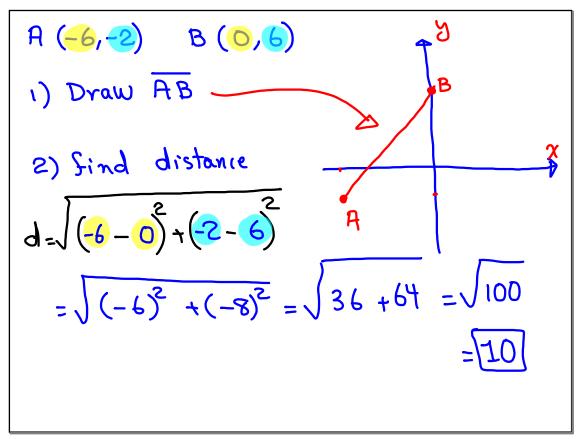


Line Segment
$$\overline{AB}$$

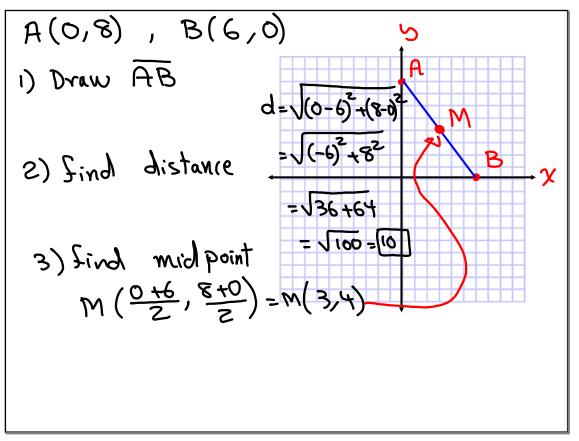
Straight line that connects A and B.
Line \overline{AB}
Straight line that contains A and B.
Draw \overline{AB} with $A(-4,7) \in B(2,-2)$
 $\overline{AB} \xrightarrow{2} X$

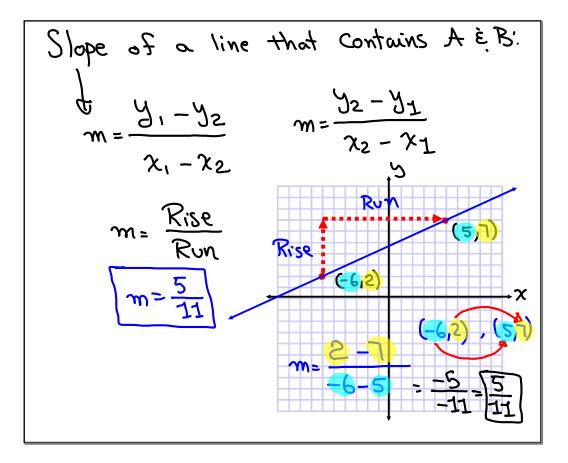




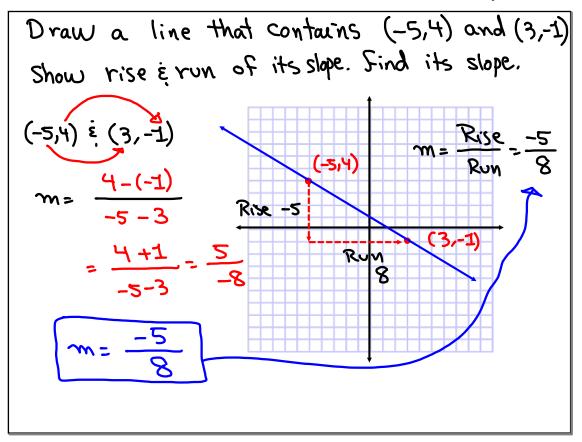
Midpoint
$$M\left(\frac{\chi_1 + \chi_2}{2}, \frac{y_1 + y_2}{2}\right)$$

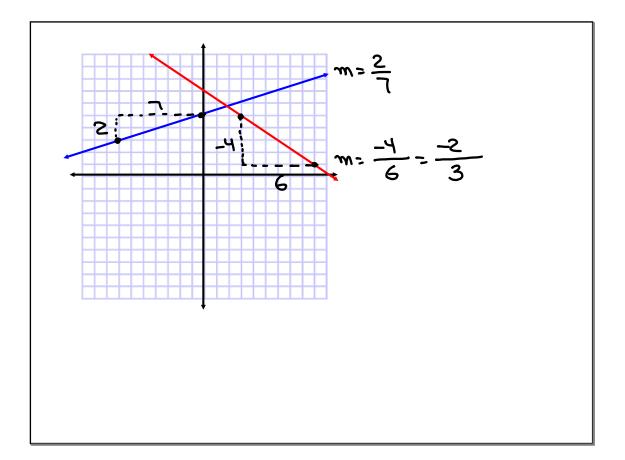
 $A\left(-4, 2\right) \quad B\left(8, 6\right)$
() Draw \overline{AB}
(2) Find its midpoint M
 $m\left(\frac{-4+8}{2}, \frac{2+6}{2}\right)$
 $= M\left(\frac{4}{2}, \frac{8}{2}\right) = M(2, 4)$

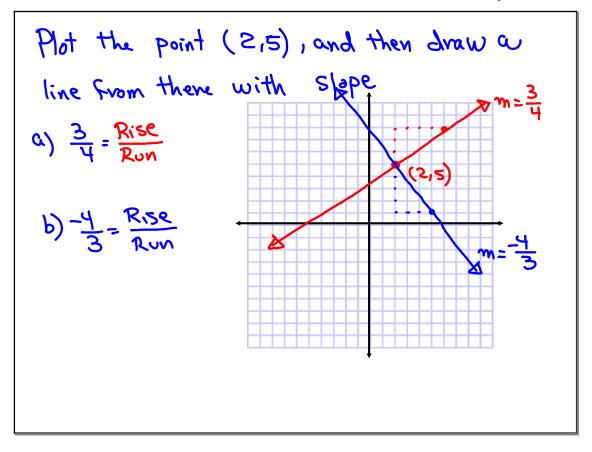


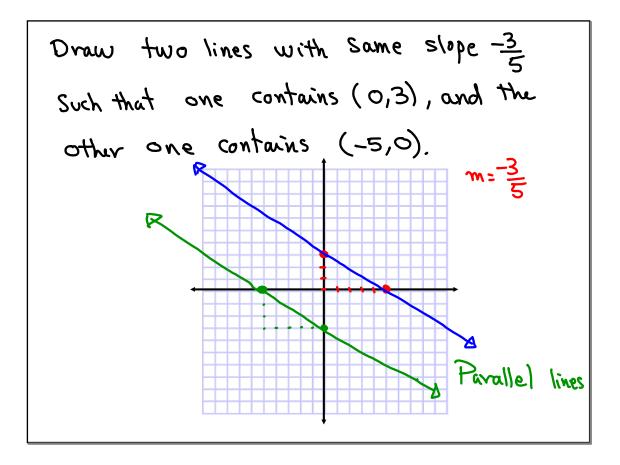


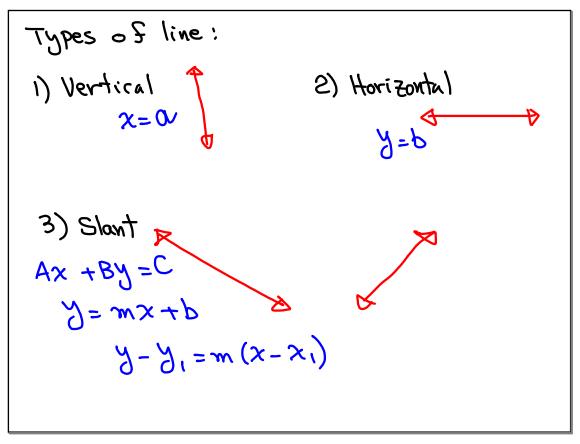
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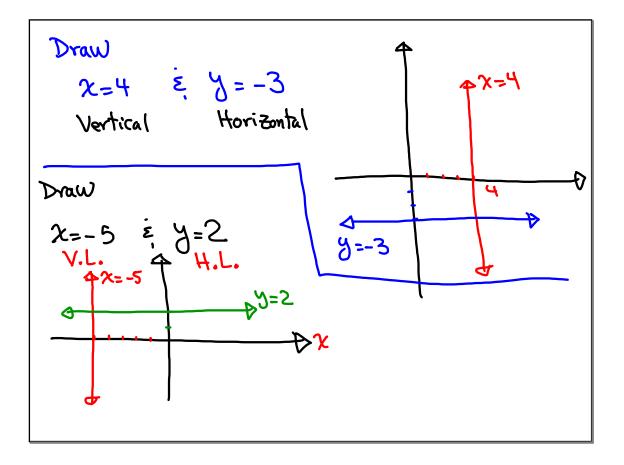


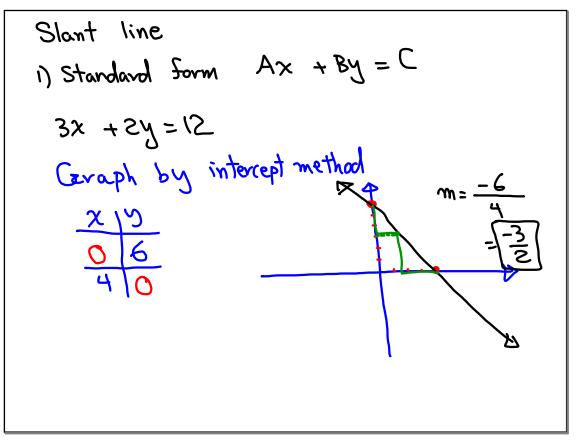


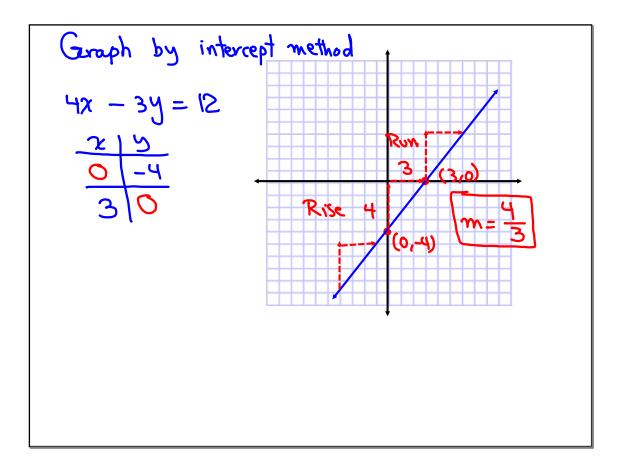


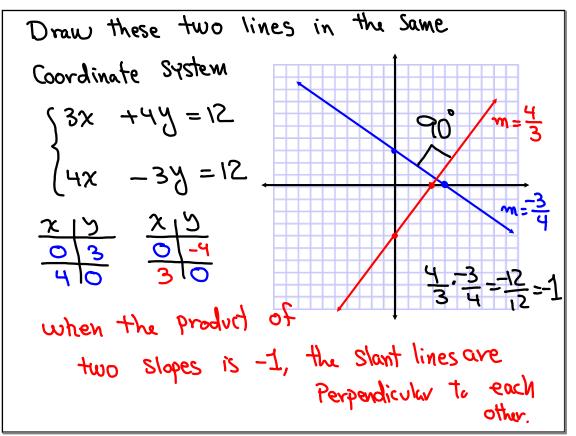












A piece of wood is 71 inches long.
It is cut into 3 pieces.
Longest Piece is I inch shorter than
3 times the Shortest Piece.
The other Piece is twice the Shortest Piece.
Sind all three pieces.

$$\chi = 2\chi = 3\chi - 1$$

 $\chi = 12$
71 inches.
 $\chi = 12$
 $\chi = 12$
 $\chi = 12$
 $\chi = 12$

Two sides of a triangle are equal The third side is I cm shorter than the (Sum of equal sides) The perimeter is 33 cm. find all three sides. X P = 33X + X + 2X - 7 = 33 $4\chi - 7 = 33$ [X =10] 4x = 4010cm, 10cm, and 13cm.

find (three cons. integers) such that the sum of (twice the smallest) and 3 times the largest is equal to 86 more than the middle integer. 2. Smallest + 3. largest $\chi_{2}\chi_{+1}\chi_{+2}$ = 2 + 1 + 862x +3(x+2)= x+1+86 705x-x=576) 4x = 8h 2x +3x +6 = x+87 $\chi = 20.25$ 5x + 6 = x + 87 No Solution

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Find three cons. even integers such that
the difference of 5 times the third one
and 3 times the Second one is equal to
86 (reduced by the first one.
$$x$$
, $x+2$, $x+4$ 5. Third = 3. Second
Sist Second third = 86 - First
 $5(x+4) - 3(x+2) = 86 - x$
 $5x+20 - 3x - 6 = 86 - x$
 $3x = 72$
 72078

Find two cons. odd integers Such that
3 times the smallest less largest is
equal to 200.
$$\chi \notin \chi + 2$$

3.Smallest - largest = 100
 $3.\chi - \chi - \chi + 2 = 100$
 $3\chi - \chi - 2 = 100$
 $2\chi = 102$
 $\chi = 51$
 $51 \notin 53$

