

#1-6, Use these points: L(0,3) O(4,-2) V(-8,10) E(6,0) M(-1,-1) A(8,3) T(-11,0) H(-7,-7) (2 pt ea)

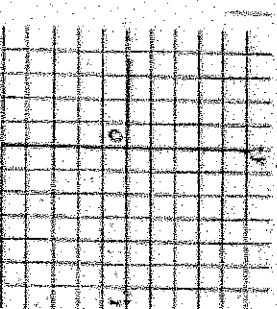
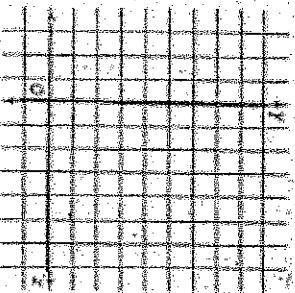
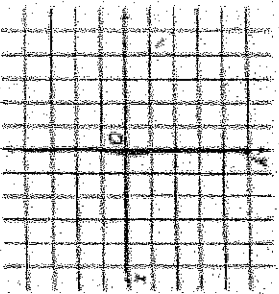
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1. slope of \overline{LO}
2. slope of \overline{ET}
3. Slope of line parallel to \overline{VH}
4. Slope of line \perp to \overline{VH}
5. Slope of line l to \overline{MA}
6. slope of line \perp to \overline{MA}

#7-9, Graph the line with the given information

7. Slope of -3 passes through (1, -2)

8. $y = \frac{1}{2}x - 1$

9. passes through (-1,2) and is \perp to \overline{AB} if A(1,4) and B(2,7)10. Find the equation for \overline{AB} if A(2,-1) and B(5,-2) in slope-intercept form (3 pt)

#11-15, Find the equation of the line indicated in point-slope form. (2 pt ea)

11. The line l to $y = -3x + 5$ and through (-4,8)12. The line \perp to $y = -3x + 5$ and through (9,-3)13. The line l to $y = 2x - 5$ and through (6, 4)14. The line \perp to $y = -4x$ and through (8,-3)

15. Through X(-3,5) and Y(4,-2)

#16-17 Determine the value of r so that the line through the points will have the given slope. (2 pt ea)

16. (2,r) (-2,6) $m = \frac{1}{2}$

17. (6,2) (r, -1) $m = -\frac{3}{7}$

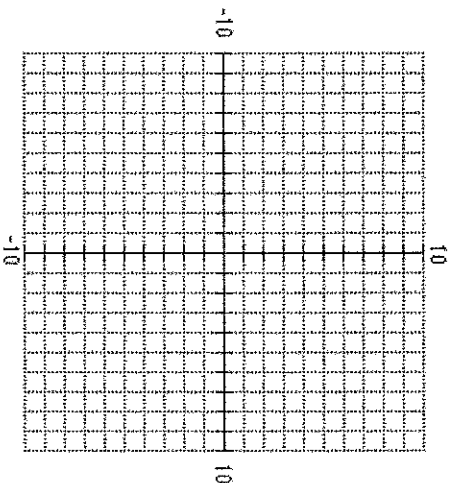
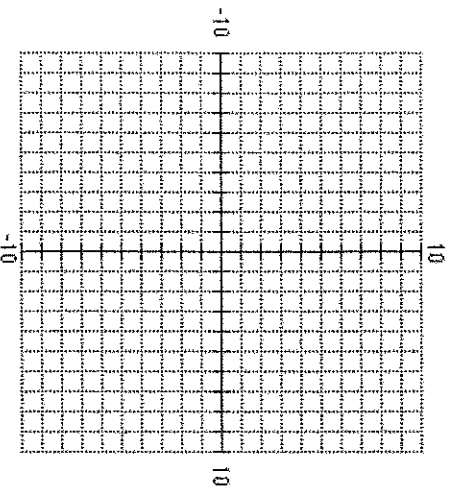
#18-19, Graph each line.

18. $-8x + 2y = 12$

(3pt)

19. $y - 3 = -2(x + 1)$

(2pt)

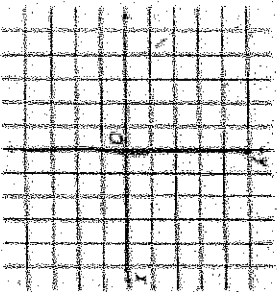


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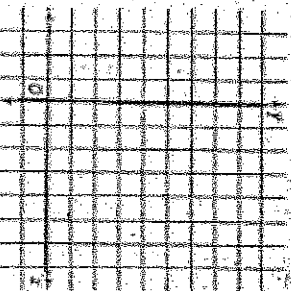
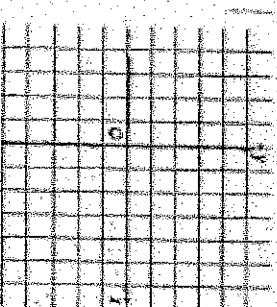
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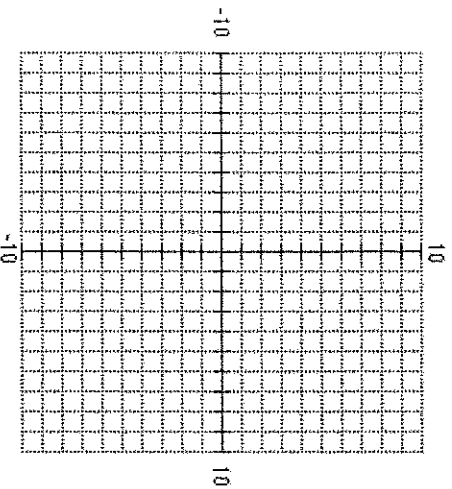
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