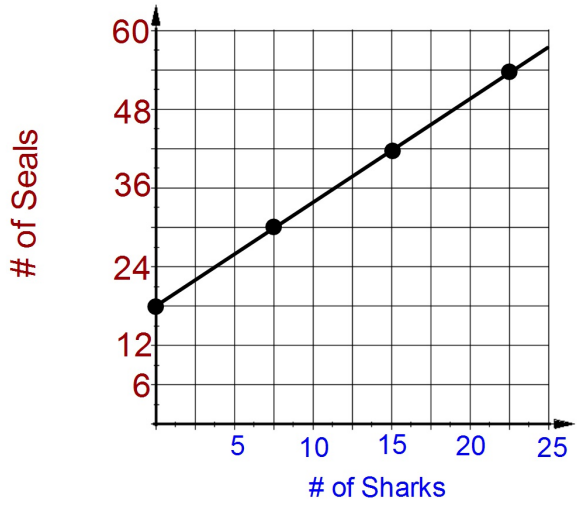
4th

Find the rate of change. Include units.

Elephants	Gallons of Water
14	893
20	1217
25	1487

54 gallons/elephant

4th



Find the rate of change. Include units

1.6 seals/shark

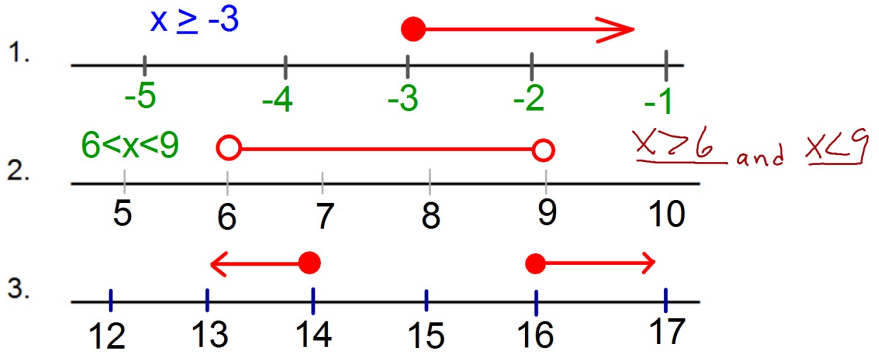
4th

Write the equation of the line that passes through these two points in Slope-Intercept Form,

(-8,17)&(4,8)

$y = -\frac{3}{4}x + 11$

Write an inequality for each graph or statement.



x≤14 or x≥16

4. There are at least 40 people who want to go to the game.

$P \geq 40$

5. He can get no more than 5 wrong in order to keep his A+.

$w \leq 5$

6. I can run up to 15 minutes before I need a break.

$m \leq 15$

7. Louis can work a maximum of 20 hours per week.

$m \leq 20$

8. The speed limit on the freeway is between 45mph and 65mph.

$45 < L < 65$

9. Amanda must take a minimum of 15 credits to keep her scholarship.

$C \geq 15$

10. Evaluate for $A = -4$, $B = 3$, $C = -5$

$-A + 2B^2 + C^2 = -(-4) + 2(3)^2 + (-5)^2$

$= 4 + 2(9) + 25$

$= 4 + 18 + 25$

$= 47$

11. Simplify each without a calculator.

a) $10 - 8 + 3 - 2 + 4$

$2 + 3$

$5 - 2$

$3 + 4 = 7$

b) $36 \div 9 \cdot 2 \div 4$

$4 \cdot 2$

$8 \div 4 = 2$

Simplify.

$4 - 2(H + 5) + 3H - 6 + 4(H - 2)$

$4 - 2H - 10 + 3H - 6 + 4H - 8$

$5H - 20$

Solve each equation for M

15. $CM - ET = R$

$M = \frac{R + ET}{C}$

Solve each equation for M

16. $\frac{R + M}{K} - C = W$

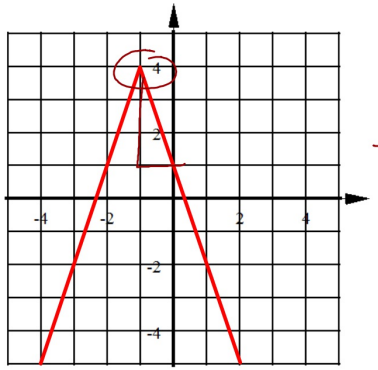
$M = (W + C)K - R$

Solve each equation for M

17. $P(M - Q) + K = A$

$M = \frac{A - K}{P} + Q$ OR $M = \frac{A - K + PQ}{P}$

Write the equation of this graph.



$-3|x+1| + 4$