

1 D
 2 D
 3 C
 4 A
 5 B
 6 D
 7 D
 8 B
 9 D
 10 B
 11 B
 12 D
 13 A
 14 C
 15 D

35y
 $35 - y = 17003.5 - 3.5x$
 $-y = -3.5x - 17038.5$
 $y = 3.5x - 17038.5$

18
 $(-2, 3) (3, -2)$
 $\frac{3+2}{-2-3} = \frac{5}{-5} = -1$
 $(-2, 3) (2, 4) m=1$
 $\frac{y-3}{x-2} = -1$
 $y-3 = -x-2$
 $y = -x+1$

22.
 $y-2 = -\frac{1}{2}x+2$
 $y = -\frac{1}{2}x+4$
 Standard form
 $y + \frac{1}{2}x = 4$

19 on the graph paper

Slope Intercept
 $y = -\frac{1}{2}x + 4$

20 A
 Correlation
 The size of the shoe is associated to the persons level of reading

23
 $12y = -3x - 6$
 $y = -\frac{1}{4}x - \frac{1}{2}$
 $-\frac{1}{4} \times m_2 = -1$
 $m_2 = 4$

20 B
 Causation
 Accidents are led by high rate of car insurance premium

$(-1, 7)(x, y) = 4$
 $\frac{y+7}{x+1} = 4$
 $y+7 = 2+2x+4$
 $y = 4x-3$

16. slope -9
 $(-1, -3)$
 $\frac{y+3}{x+1} = -9$
 $y+3 = -9x-9$
 $y+9x = -12$

17
 C $\frac{35-16.1}{2001-2000.5}$
 $\frac{19.9}{-3.5}$
 $\frac{35-y}{2001-x} = -3.5$
 $35-y = 17003.5 - 3.5x$

$$24 \text{ a) } P(x) = \$500 + \$0.50x$$

$$P(x) = \$0.50x + \$500$$

$$\text{b) } P^{-1}(x)$$

$$y = 0.50x + 500$$

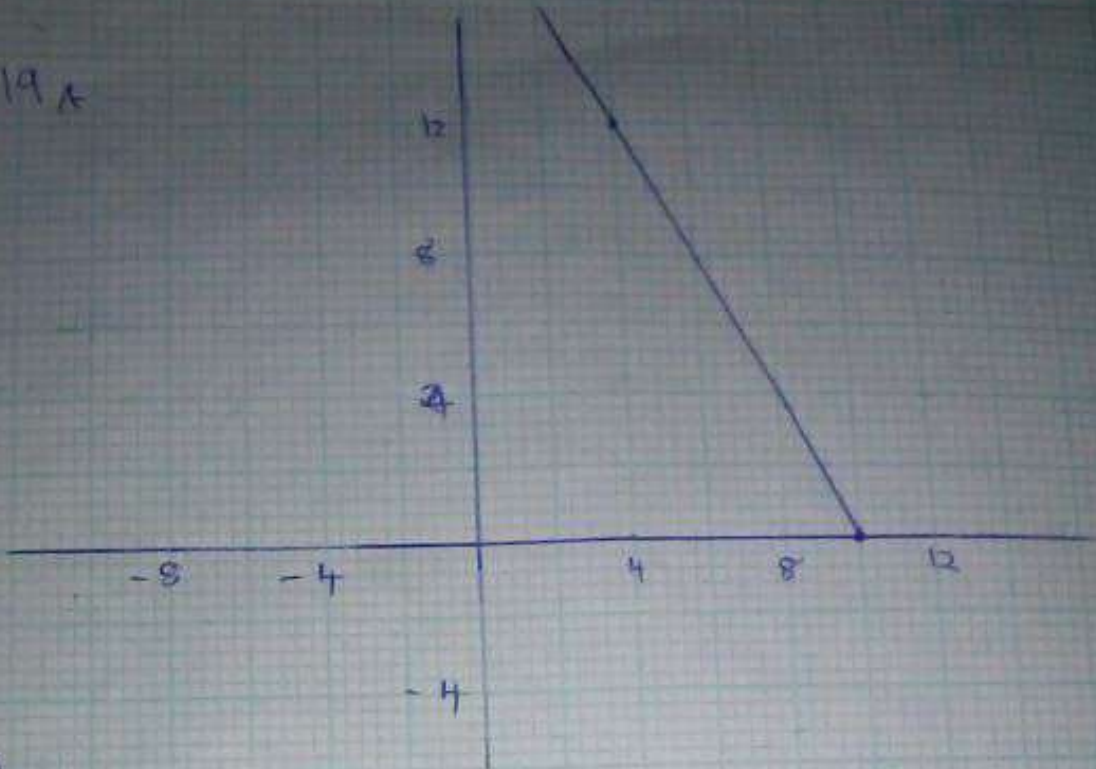
$$x = 0.50y + 500$$

$$\frac{0.5y}{0.5} = \frac{x - 500}{0.5}$$

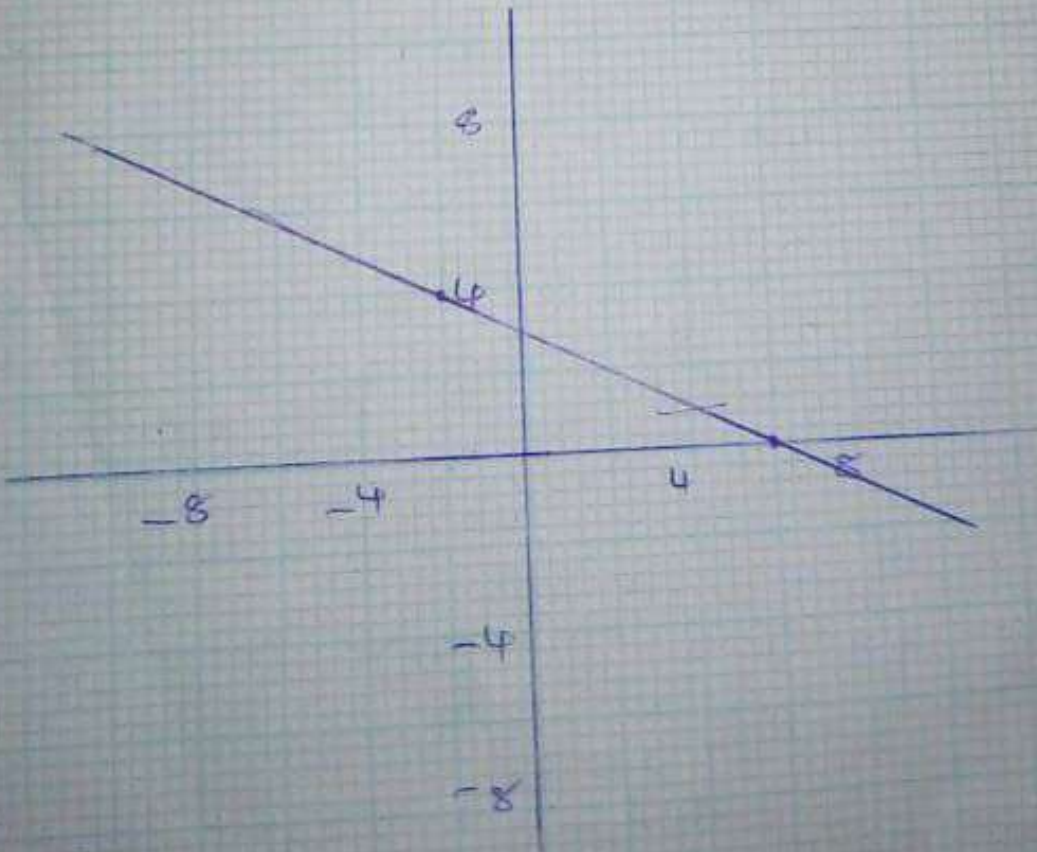
$$y = \frac{x - 500}{0.5}$$

$$y = 2x - 1000$$

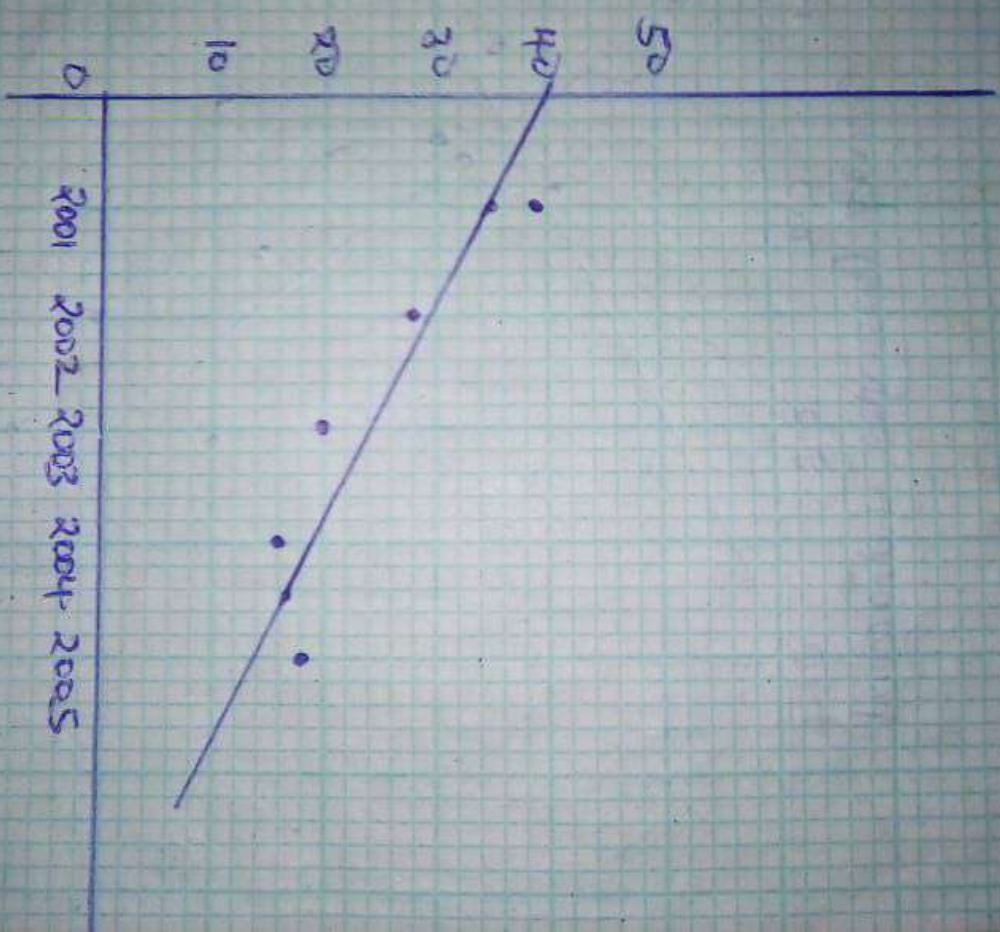
19A



19B



19 9.10



36