



Inverse Variation

 *State whether each equation represents a direct or an inverse variation.*

1) $7x - y = 0$

3) $-x - y = 0$

2) $12xy - 10 = 20$

4) $x = \frac{2}{y}$

 *Solve.*

5) If y varies inversely as x and $y = 18$ when $x = 6$. What's the value of y when x is 4? _____

6) If y varies inversely as x and $y = 0.8$ when $x = 6$. What's the value of x when y is 3? _____

7) If y varies inversely as x and $y = 14$ when $x = 7$. What's the value of y when x is 8? _____

8) If y varies inversely as x and $y = 1.5$ when $x = 5$. What's the value of x when y is 2? _____

9) If y varies inversely as x and $y = 22$ when $x = 8$. What's the value of y when x is 5? _____

10) If y varies inversely as x and $y = 0.7$ when $x = 3$. What's the value of x when y is 4? _____

11) If y varies inversely as x and $y = 24$ when $x = 7$. What's the value of y when x is 6? _____