1.	If x varies inversely as y , and x is 20 when y is 6, which value is x when y is 12			
	[A] $x = 120$	[B] $x = 4$	[C] $x = 10$	[D] $x = 1440$
2.	If x varies inversely as y, and x is -54 when y is 70, which value is x when y is 63?			
	[A] $x = -238,140$	[B] $x = -82$	[C] $x = -60$	[D] $x = -3780$
3.	If x varies inversely as y, and x is 6 when y is 48, which value is x when y is 165			
	[A] $x = 18$	[B] $x = 288$	[C] $x = 128$	[D] $x = 4608$
4.	If x varies inversely as y , and x is 63 when y is 20, which value is x when y is			
	[A] $x = 45$	[B] $x = 35,280$	[C] $x = 1260$	[D] $x = 9$
5.	If x varies inversely as y, and x is 90 when y is 80, which value is x when y is 100?			
	[A] $x = 7200$	[B] $x = 72$	[C] $x = 720,000$	[D] $x = 89$
6.	If x varies inversely as y, and x is -24 when y is 6, which value is x when y is 12?			
	[A] $x = -144$	[B] $x = -3$	[C] $x = -1728$	[D] $x = -12$
7.	If x varies inversely as y, and x is -70 when y is 40, which value is x when y is 80?			
	[A] $x = -35$	[B] $x = -2800$	[C] $x = -224,000$	[D] $x = -46$
8.	If x varies inversely as y, and x is -32 when y is 14, which value is x when y is 16.			
	[A] $x = -7168$	[B] $x = -448$	[C] $x = -7$	[D] $x = -28$
9.	If x varies inversely as y , and x is 18 when y is 45, which value is x when y is 1			
	[A] $x = 810$	[B] $x = 54$	[C] $x = 38$	[D] $x = 12,150$
10.	If x varies inversely as y , and x is -6 when y is 35, which value is x when y is 15?			
	[A] $x = -210$	[B] $x = -88$	[C] $x = -3150$	[D] $x = -14$
11.	Which of the following equations shows an inverse variation if $y = 4$ when $x = 8$?			
	$[A] \frac{8}{4} = \frac{x}{y}$	$[B] \frac{y}{4} = \frac{x}{8}$	$[C] \frac{y}{4} = \frac{8}{x}$	$[D] \frac{y}{8} = \frac{x}{4}$

12. Which of the following equations shows an inverse variation if
$$y = 5$$
 when $x = 2$?

[A]
$$\frac{y}{5} = \frac{x}{2}$$

$$[B] \frac{2}{5} = \frac{x}{y}$$

[B]
$$\frac{2}{5} = \frac{x}{y}$$
 [C] $\frac{y}{2} = \frac{x}{5}$

[D]
$$xy = 10$$

13. Which of the following equations shows an inverse variation if
$$y = 3$$
 when $x = 5$?

[A]
$$\frac{y}{5} = \frac{x}{3}$$

[B]
$$\frac{y}{3} = \frac{x}{5}$$

[C]
$$\frac{5}{3} = \frac{x}{y}$$

[D]
$$y = \frac{15}{x}$$

14. Which of the following equations shows an inverse variation if
$$y = 8$$
 when $x = 6$?

[A]
$$\frac{y}{6} = \frac{x}{8}$$
 [B] $\frac{y}{8} = \frac{x}{6}$ [C] $xy = 48$

$$[B] \frac{y}{8} = \frac{x}{6}$$

$$[C] xy = 48$$

$$[D] \frac{6}{8} = \frac{x}{y}$$

15. Which of the following equations shows an inverse variation if
$$y = 7$$
 when $x = 9$?

[A]
$$\frac{y}{7} = \frac{x}{9}$$

[B]
$$y = \frac{63}{x}$$
 [C] $\frac{y}{9} = \frac{x}{7}$

[C]
$$\frac{y}{9} = \frac{x}{7}$$

$$[D] \frac{9}{7} = \frac{x}{y}$$

16. Which of the following equations shows an inverse variation if
$$y = 6$$
 when $x = 3$?

[A]
$$\frac{y}{3} = \frac{x}{6}$$

$$[B] \frac{3}{6} = \frac{x}{y}$$

[B]
$$\frac{3}{6} = \frac{x}{y}$$
 [C] $\frac{y}{6} = \frac{3}{x}$ [D] $\frac{y}{6} = \frac{x}{3}$

$$[D] \frac{y}{6} = \frac{x}{3}$$

17. Which of the following equations shows an inverse variation if
$$y = 2$$
 when $x = 7$?

$$[A] \frac{y}{7} = \frac{x}{2}$$

[B]
$$\frac{7}{2} = \frac{x}{y}$$
 [C] $xy = 14$

[C]
$$xy = 14$$

$$[D] \frac{y}{2} = \frac{x}{7}$$

18. Which of the following equations shows an inverse variation if
$$y = 9$$
 when $x = 4$?

[A]
$$\frac{y}{9} = \frac{x}{4}$$

[B]
$$y = \frac{36}{x}$$

$$[C] \frac{4}{9} = \frac{x}{y}$$

[B]
$$y = \frac{36}{x}$$
 [C] $\frac{4}{9} = \frac{x}{y}$ [D] $\frac{y}{4} = \frac{x}{9}$

19. Which of the following equations shows an inverse variation if
$$y = 4$$
 when $x = 6$?

$$[A] \frac{y}{6} = \frac{x}{4}$$

$$[B] \frac{6}{4} = \frac{x}{y}$$

[C]
$$\frac{y}{4} = \frac{x}{6}$$

[A]
$$\frac{y}{6} = \frac{x}{4}$$
 [B] $\frac{6}{4} = \frac{x}{y}$ [C] $\frac{y}{4} = \frac{x}{6}$ [D] $\frac{y}{4} = \frac{6}{x}$

20. Which of the following equations shows an inverse variation if y = 5 when x = 4?

[A]
$$\frac{4}{5} = \frac{x}{y}$$
 [B] $\frac{y}{5} = \frac{x}{4}$ [C] $\frac{y}{5} = \frac{4}{x}$ [D] $\frac{y}{4} = \frac{x}{5}$

$$[B] \frac{y}{5} = \frac{x}{4}$$

$$[C] \frac{y}{5} = \frac{4}{x}$$

[D]
$$\frac{y}{4} = \frac{x}{5}$$