

1.  $w = kv$

2.  $a = \frac{k}{b}$

3.  $f = kgh$

4.  $r = \frac{k}{s^3}$

5.  $y = k \cdot x \cdot \sqrt{z}$

6.  $m = \frac{k \cdot n^2}{p}$

7. Inverse,  $k = 100$

8. Direct,  $k = 5$

9. Joint,  $k = 4$

10. direct,  $k = 2\pi$

11. joint,  $k = \frac{1}{3}\pi$

12. inverse,  $k = \frac{2}{5}$

13.  $y = 32.5$

14.  $n = 38$

15.  $x = 7$

16.  $c = 627.2$

17.  $y = 3.61$

18.  $r = 15$

19.  $r = 2835$

20. \$52.20

21. 24 gallons

22. 7 feet