

Direct Variation

“y varies directly as x”

$$y = kx$$



Constant of variation

Solve. Assume y varies directly as x.

1. If $x = 2$ when $y = 3$,
find y when $x = 4$.

2. If $x = 5$ when $y = 2$,
find x when $y = 6$.

3. If $y = 6$ when $x = 4$,
find y when $x = 10$.

4. If $y = -2$ when $x = -1$,
find y when $x = 5$.

5. If $x = -3$ when $y = -2$,
find x when $y = -4$.

6. If $x = 4$ when $y = -3$,
find x when $y = 0$.