Direct and Inverse Variation | Equation

Answer Key

State whether each equation represents a direct or an inverse variation. Find the constant of variation (k).

1) $-10 + 15xy = 20$

Inverse variation, k = 2

2) $17y - 4x = 0$

Direct variation, k = $\frac{4}{17}$

3) $-18x + y = 0$

Direct variation, k = 18

4) $-13xy + 3 = -8$

Inverse variation, k = $\frac{11}{13}$

5) $\frac{x}{3y} = 17$

Direct variation, k = $\frac{1}{51}$

6) $2yx - 6 = 14$

Inverse variation, k = 10

7) $15 + 2yx = 21$

Inverse variation, k = 3

8) $-4x + 9y = 0$

Direct variation, k = $\frac{4}{9}$

9) $7xy = 14$

Inverse variation, k = 2

10) $-y + 9x = 0$

Direct variation, k = 9