

Name _____ Date _____ Period _____

Direct Variation Worksheet

Tell whether the equation represents direct variation. If so, identify the constant of variation.

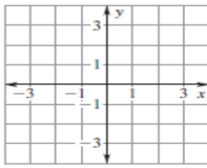
1. $y = 8x$

2. $y = 2x + 1$

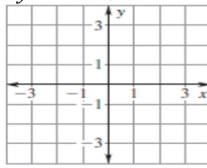
3. $3x + y = 6$

Graph the direct variation equation.

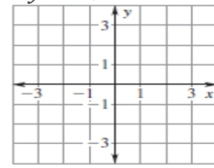
4. $y = \frac{1}{2}x$



5. $4y = -12x$

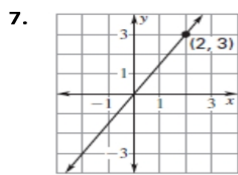


6. $3y = 4x$

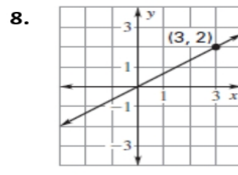


The graph of a direct variation equation is shown. Write the direct variation equation.

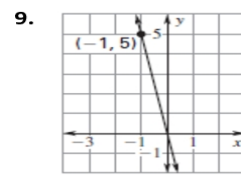
Then find the value of y when $x = 10$.



$y =$ _____



$y =$ _____



$y =$ _____

Tell whether the table represents direct variation. If so, write the direct variation equation.

| x | y |
|-----|------|
| 0.5 | 9 |
| 3 | 54 |
| -2 | -36 |
| 1 | 18 |
| -8 | -144 |

| x | y |
|------|------|
| 8 | 7 |
| 2 | 28 |
| -4 | 7 |
| -0.5 | -112 |